PUBLISH DATE: 17/05/2023 6:16:37 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

TREE INSIDE BOUNDARY

TREE OUTSIDE BOUNDARY

HERRING ROAD

WINDSOR DRIVE

LACHLAN AVENUE

UP

SUBSTATION

EXISTING 4 STOREY
RESIDENTIAL BUILDING

23-25 LACHLAN AVE , 15 STOREY
STUDENT ACCOMMODATION DA
APPROVED

5000

5000

5000

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES
PTE.LTD

PROJECT
Lachlan Ave Student
Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue &
136 Herring Road,
Macquarie Park, NSW
2113

REV	DATE	DESCRIPTION	DN	AP
6	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
PROPOSED SITE PLAN

SCALE
1 : 250
@ A1

SHEET NUMBER
DA1004

REVISION
6

PUBLISH DATE: 18/05/2023 3:53:51 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

LEVEL B1b
1018.5 m²

TOTAL PARKING: 34

LEVEL B1a
791.8 m²

TOTAL PARKING ON B1: 32 SPACE

RAINWATER REUSE PUMPS AND FILTERS 3M X3M

POTABLE WATER PLANT 32.4 m²

POTABLE WATER DUPLEX TRANSFER PUMP 3M X 3M

RWT 9.8 m²

OSD 82.5 m²

MAIN COMMS 19.8 m²

STORAGE

WASTE ROOM 58.2 m²

WASTE ROOM 52 m²

LOADING DOCK

LIFT 3

LIFT 4

FIRE TANK 1 28.7 m²

FIRE TANK 2 30.4 m²

BULKY WASTE 21.2 m²

FIRE PUMP 31 m²

SHUTTLE PARKING

PERFORATED ROLLER SHUTTER

UP TO LOWER GROUND

INTERCOM

/10 PLANT ROOMS REARRANGED

/10 UPDATED FIRE PUMP & FIRE TANK LOCATION

LACHLAN AVENUE

CONCRETE FOOTPATH

GRASS

SET BACK LINE

SHORING ZONE

BOUNDARY

FFL 53.020

FFL 54.520

7000 1/16

9900 1/6.5 SLOPE

3000 1/16 SLOPE

7000 1/20

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
10	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL B1

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2001

REVISION
10

PUBLISH DATE: 19/05/2023 10:42:47 AM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

HERRING ROAD

LACHLAN AVENUE

5000 BOUNDARY

6000 BOUNDARY

SET BACK LINE

BUILDING ABOVE

OUTLINE OF BUILDING ABOVE

DEEP SOIL PLANTING AREA
455 m2

BIKE STORAGE
119 m²

CARPARK: 11 SPACES

CARPARK B0b
707.2 m²

3 CAR SPACE RELOCATED

PARCEL STORE
7.1 m²

ENTRY LOBBY
98 m²

MAIN ENTRANCE
FROM LACHLAN AVE

OUTLINE OF CANOPY ABOVE

FFL 56.020

FFL 56.690

FFL 57.520

LIFT PIT

WASTE ROOM BELOW

WASTE ROOM BELOW

LOADING DOCK BELOW

LIFT 3

LIFT 4

RECEPTION

MEETING
28.8 m²

KITCHENETTE/ UTILITY

STORAGE

UP

FAN ROOM
70.8 m²

E-BIKE PARK/ MOTORBIKE
122.2 m²
TOTAL NUMBER: 22

VISITOR BIKE PARK

WATER METER

BOOSTER

CONCRETE FOOTPATH

GRASS

PERFORATED ROLLER SHUTTER

INTERCOM
FROM LEVEL B1a

NEW KERB CROSSING TO MEET COUNCIL PUBLIC DOMAIN IMPROVEMENT REQUIREMENTS

2500 2500 2500 350 2500 2500 2500 2550 2500 2500 350 2500 2500 2500

8399

1:14

1:8

1:4

1:8

300

6500

7000 1/16

9900 1/6.5 SLOPE

3000 1/16 SLOPE

7000 1/20

1 DA3201

1 DA3203

1 DA3205

1 DA3208

1 DA3206

1 DA3202

2 DA3209

4 DA2808

1 DA3195

1 DA2807

1 DA2808

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
10	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL LG+ B0

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2002

REVISION
10

PUBLISH DATE: 18/05/2023 1:38:54 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

9 ROOMS REARRANGED

COURTYARD

OUTDOOR COMMON AREA

LAUNDRY 47.3 m²

W/D STACK

W/D STACK

ACC WC 5.8 m²

WC 11.8 m²

CINEMA 39 m²

LIFT LOBBY 66.8 m²

COMMON LOUNGE 140 m²

ACTIVE LOUNGE 74.6 m²

DINING 86.2 m²

Room 4.5 m²

Room 4.4 m²

Room 40.8 m²

CAFE 28.2 m²

MSB ROOM 25 m²

FFL 59.750

SP

VOID

VOID

VOID

VOID

VOID

COURTYARD

22429

CANOPY ABOVE

BUILDING ABOVE

SET BACK LINE

BOUNDARY

5000

9000

1059

GLASS (CANOPY ABOVE)

HERRING ROAD

LACHLAN AVENUE

CONCRETE FOOTPATH

GRASS

DA2003 3

DA3103 1

DA3202 1

DA3203 2

DA3201 1

DA3203 1

DA3205 1

DA3208 2

DA3206 1

DA3202 1

DA3803 4

DA3803 1

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
9	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 00

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2003

REVISION
9

PUBLISH DATE: 18/05/2023 1:38:59 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

HERRING ROAD

LACHLAN AVENUE

SECONDARY ENTRANCE FROM HERRING RD

VISITOR BIKE PARK

SUBTATION ON SUSPENDED CONCRETE PLATFORM

COMMON AREA
173.2 m²
FFL 63.100

CANOPY ABOVE

GLAZED CANOPY

CANOPY

VOID OVER RECEPTION

FFL 63.730

BUILDING ABOVE

SET BACK LINE

BOUNDARY

5000

6000

21245

20469

9 UPDATED GABLE END

9 CLUSTER ROOM CHANGED TO STANDARD ROOM

9 COMMON AREA INCREASED

9 REVISED COMMON AREAS

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
9	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 01

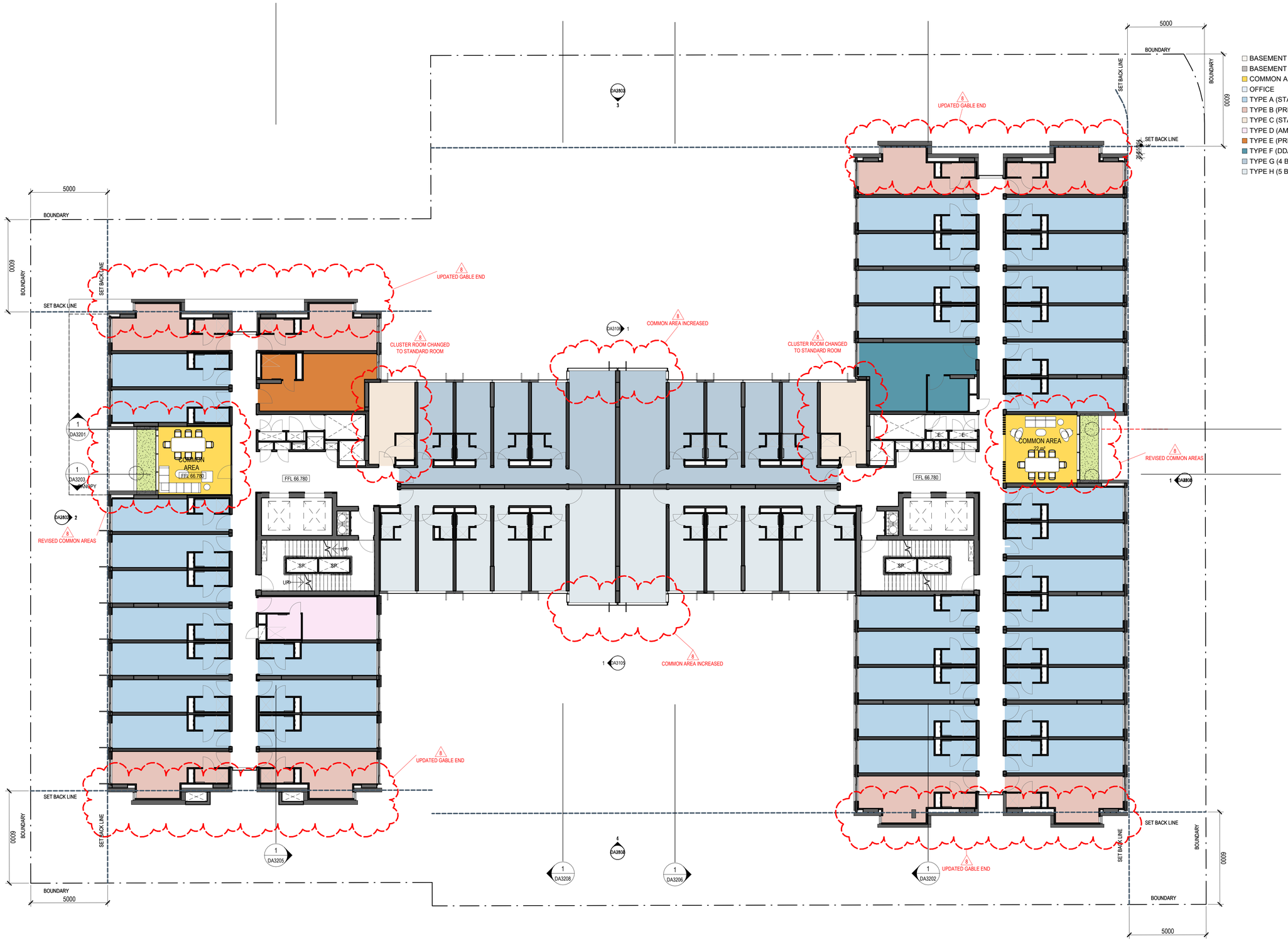
SCALE
1 : 125 @ A1

SHEET NUMBER DA2004

REVISION 9

PUBLISH DATE: 17/05/2023 6:08:11 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS - USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 02

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2005

REVISION
8

PUBLISH DATE: 17/05/2023 6:18:23 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR ISSUES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

8 UPDATED GABLE END

8 CLUSTER ROOM CHANGED TO STANDARD ROOM

8 REVISED COMMON AREAS

8 COMMON AREA INCREASED

FFL 69.830

HERRING ROAD

LACHLAN AVENUE

BOUNDARY

SET BACK LINE

5000

6000

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 03

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2006

REVISION
8

PUBLISH DATE: 17/5/2023 6:18:38 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

HERRING ROAD

LACHLAN AVENUE

BOUNDARY

SET BACK LINE

5000

0009

8 UPDATED GABLE END

8 REVISED COMMON AREAS

8 CLUSTER ROOM CHANGED TO STANDARD ROOM

8 COMMON AREA INCREASED

COMMON AREA

FFL 72.880

SP

DA3801 3

DA3102 1

DA3103 1

DA3202 1

DA3203 1

DA3205 1

DA3206 1

DA3208 1

DA3802 2

DA3803 4

DA3802 1

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	16/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 04

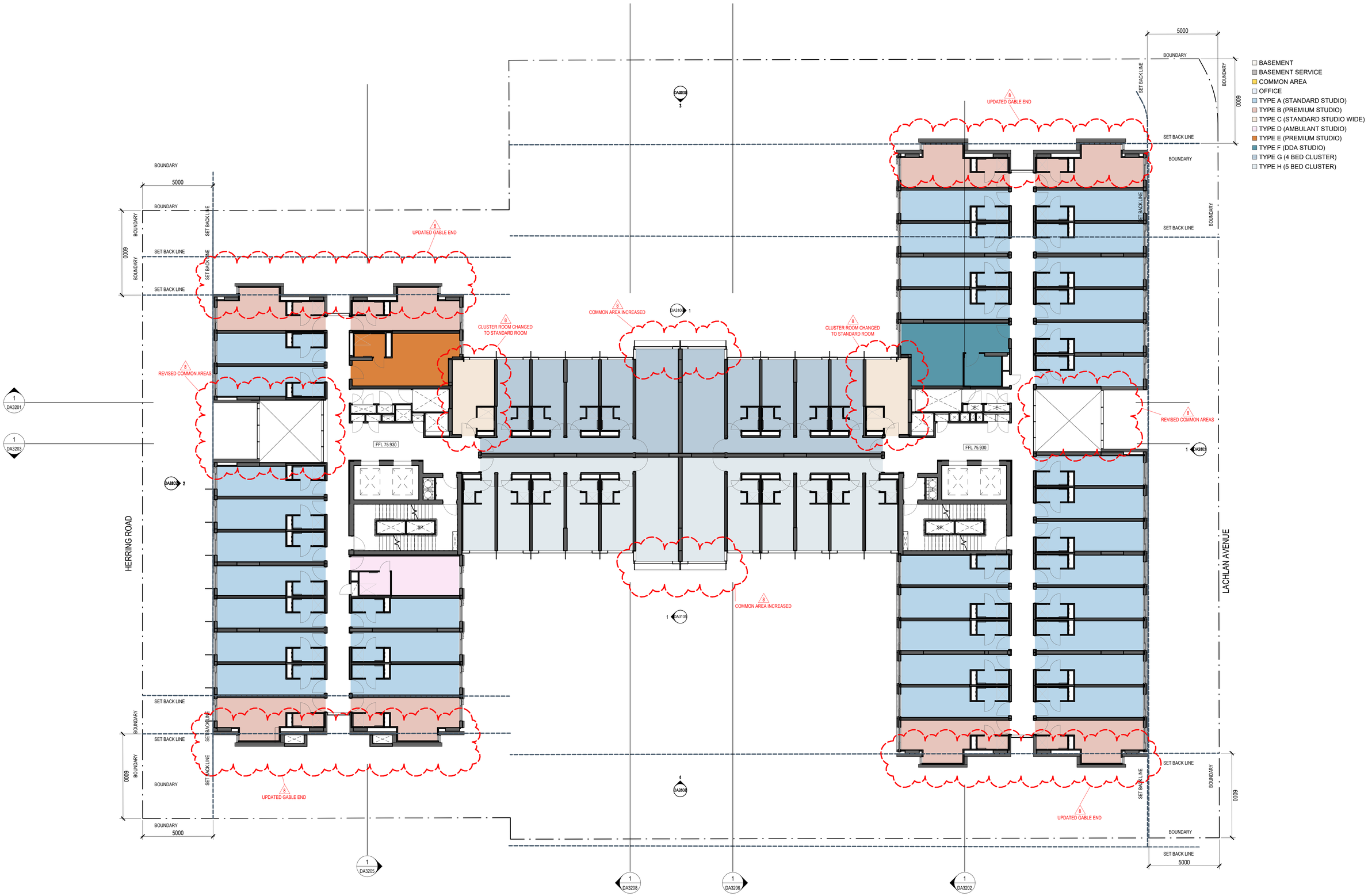
SCALE
1 : 125 @ A1

SHEET NUMBER
DA2007

REVISION
8

PUBLISH DATE: 17/05/2023 8:18:50 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET'S STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 05

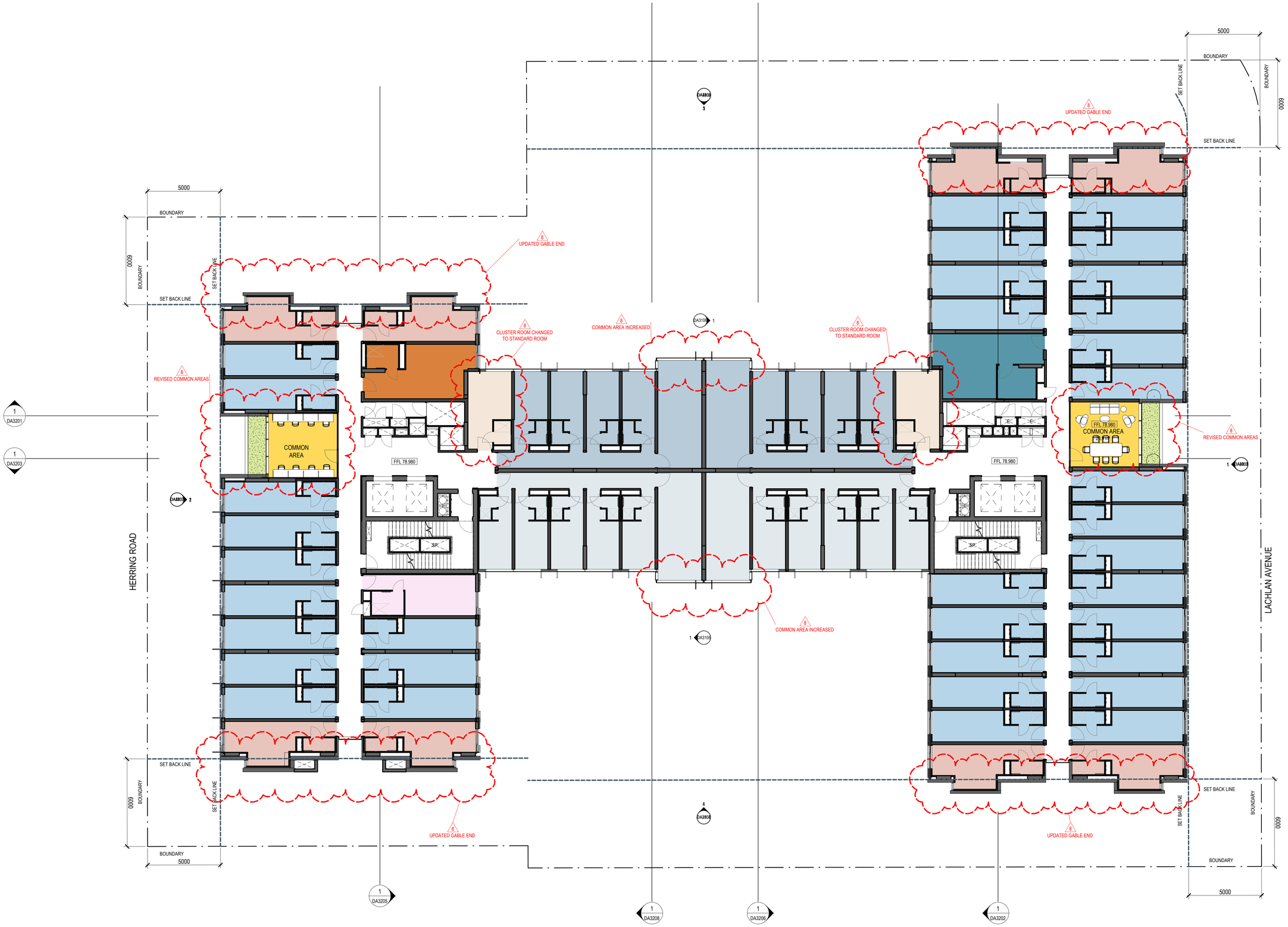
SCALE
1 : 125 @ A1

SHEET NUMBER
DA2008

REVISION
8

PUBLISH DATE: 17/05/2023 6:19:04 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 06

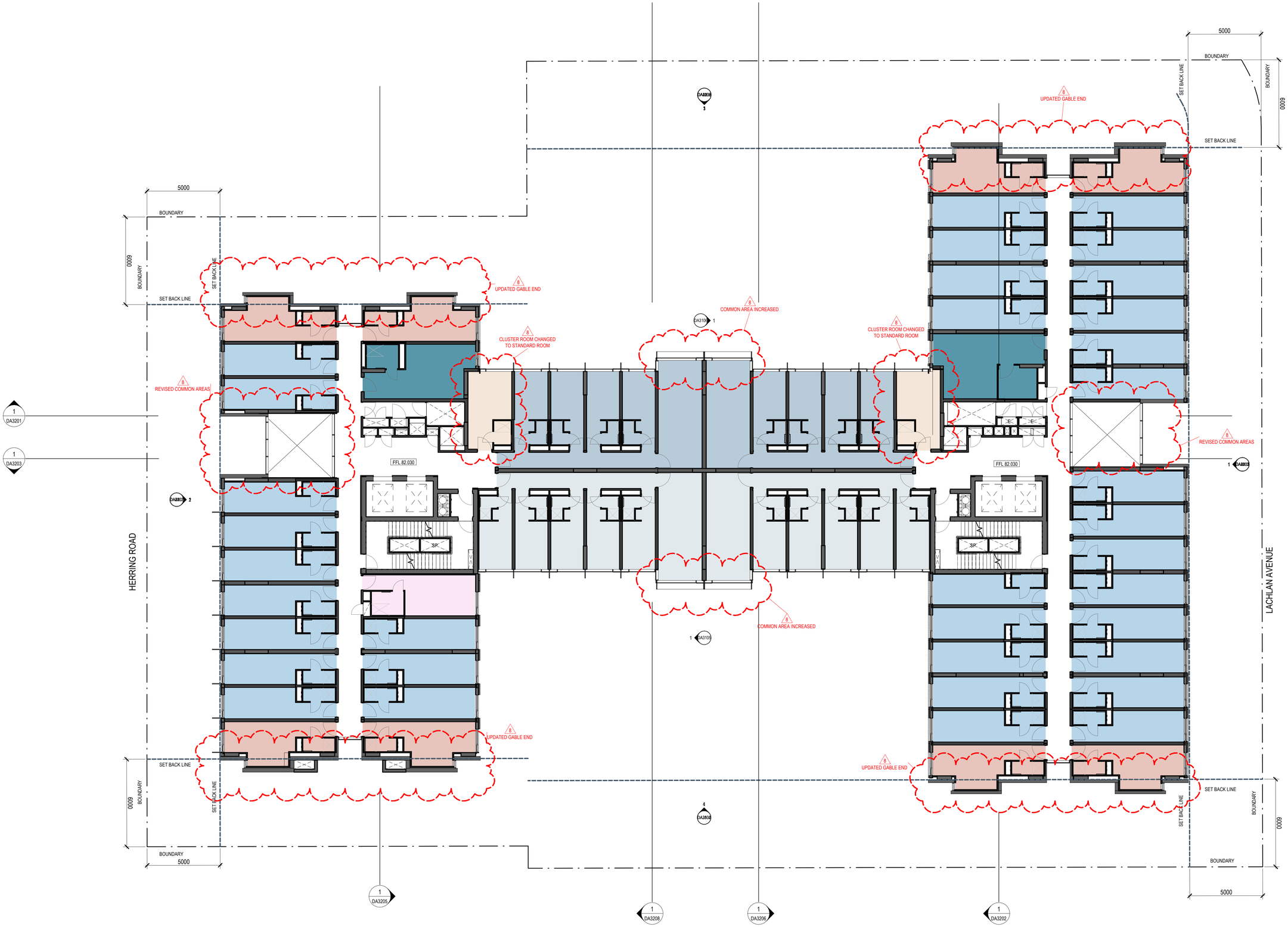
SCALE
1 : 125 @ A1

SHEET NUMBER
DA2009

REVISION
8

PUBLISH DATE: 17/05/2023 6:19:36 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR ISSUES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 07

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2010

REVISION
8

PUBLISH DATE: 17/05/2023 6:19:31 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

HERRING ROAD

LACHLAN AVENUE

5000 BOUNDARY

6000 BOUNDARY

SET BACK LINE

8 UPDATED GABLE END

8 REVISED COMMON AREAS

8 CLUSTER ROOM CHANGED TO STANDARD ROOM

8 COMMON AREA INCREASED

COMMON AREA

SP

1 DA3201

1 DA3203

DA3802 2

DA3103 1

DA3802 1

DA3802 4

1 DA3205

1 DA3208

1 DA3206

1 DA3202

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 08

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2011

REVISION
8

PUBLISH DATE: 18/05/2023 1:39:00 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

HERRING ROAD

LACHLAN AVENUE

5000

BOUNDARY

6000

SET BACK LINE

2820

8 UPDATED GABLE END

8 CLUSTER ROOM CHANGED TO STANDARD ROOM

8 COMMON AREA INCREASED

8 REVISED COMMON AREAS

8 POOL & PLANT ROOM RELOCATED

FFL 88.130

PLANT
99.4 m²

SP

H

V
A

DA3102 1

DA3103 1

DA3202 1

DA3203 1

DA3205 1

DA3206 1

DA3208 1

DA3209 2

DA3209 3

DA3209 4

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 09

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2012

REVISION
8

PUBLISH DATE: 18/5/2023 1:39:03 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

☐ No color scheme assigned to view

5000
BOUNDARY
6000
SET BACK LINE
SET BACK LINE
BOUNDARY
8 UPDATED GABLE END
DA3808 3
5000
BOUNDARY
6000
SET BACK LINE
SET BACK LINE
BOUNDARY
DA3109 1
955
8 REVISED COMMON AREAS
GYM
WEIGHT MACHINES
FREE WEIGHTS & STRETCHING AREA
BOULDERING WALL
BENCH/ LOCKERS/ WATER
FFL 91.530
AMENITIES
FFL 91.530
BALLET BAR
YOGA/ WELLNESS
MIRROR
8 REVISED COMMON AREAS
1 DA3201
1 DA3203
DA3808 2
1 DA3808
DECK
POOL
SR
SR
SR
1 DA3109
8 POOL & PLANT ROOM RELOCATED
HERRING ROAD
LACHLAN AVENUE
1 DA3205
1 DA3208
4 DA3808
1 DA3206
1 DA3202
SET BACK LINE
SET BACK LINE
BOUNDARY
6000
BOUNDARY
5000
SET BACK LINE
SET BACK LINE
BOUNDARY
6000
BOUNDARY
5000

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 10

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2013

REVISION
8

PUBLISH DATE: 18/05/2023 1:39:06 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

5000
BOUNDARY
0009
SET BACK LINE
HERRING ROAD
LACHLAN AVENUE
VOID
FFL 94.580
SPC
5 UPDATED GABLE END
5 REVISED COMMON AREAS
1 DA3201
1 DA3203
DA3802 2
DA3803 3
DA3804 4
DA3105 1
1 DA3206
1 DA3208
1 DA3202

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 11

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2014

REVISION
8

PUBLISH DATE: 17/05/2023 6:20:13 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

HERRING ROAD

LACHLAN AVENUE

5000 BOUNDARY

6000 BOUNDARY

SET BACK LINE

8 REVISED COMMON AREAS

8 UPDATED GABLE END

COMMON AREA FFL 97.630

OUTDOOR TERRACE

FFL 97.630

SR

DA3802 3

DA3105 1

DA3802 2

DA3105 1

DA3105 4

DA3802 1

1 DA3201

1 DA3203

1 DA3205

1 DA3208

1 DA3206

1 DA3202

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 12

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2015

REVISION
8

PUBLISH DATE: 17/05/2023 6:29:23 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET'S STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

HERRING ROAD

LACHLAN AVENUE

BOUNDARY

SET BACK LINE

6000

5000

8 REVISED COMMON AREAS

8 UPDATED GABLE END

FFL 100.680

LIFT LOBBY
Not Enclosed

SP

COOLING TOWER PLANT

ACCESSIBLE PART OF ROOF

WIND MITIGATION GLASS PARAPET

DA3201 1

DA3203 1

DA3205 1

DA3208 1

DA3206 1

DA3202 1

DA3102 1

DA3103 1

DA3104 2

DA3105 3

DA3106 4

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN LEVEL 13

SCALE
1 : 125 @ A1

SHEET NUMBER
DA2016

REVISION
8

PUBLISH DATE: 18/05/2023 1:39:17 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE SHEET STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

- BASEMENT
- BASEMENT SERVICE
- COMMON AREA
- OFFICE
- TYPE A (STANDARD STUDIO)
- TYPE B (PREMIUM STUDIO)
- TYPE C (STANDARD STUDIO WIDE)
- TYPE D (AMBULANT STUDIO)
- TYPE E (PREMIUM STUDIO)
- TYPE F (DDA STUDIO)
- TYPE G (4 BED CLUSTER)
- TYPE H (5 BED CLUSTER)

HERRING ROAD

LACHLAN AVENUE

BOUNDARY

SET BACK LINE

5000

6000

900

SOLAR PANELS

UP

HOT WATER TANK

COOLING TOWER

LIFT OVERRUN RL 106.500

LIFT OVERRUN RL 105.500

7 UPDATED GABLE END

7 REVISED COMMON AREAS

7 REVISED FACADE TO REFLECT COMMON AREAS CHANGES

7 POOL & PLANT ROOM RELOCATED

DA3101 1

DA3102 2

DA3103 3

DA3104 4

DA3201 1

DA3202 1

DA3203 1

DA3205 1

DA3206 1

DA3208 1

DA3209 2

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
GENERAL ARRANGEMENT PLAN
ROOF PLAN

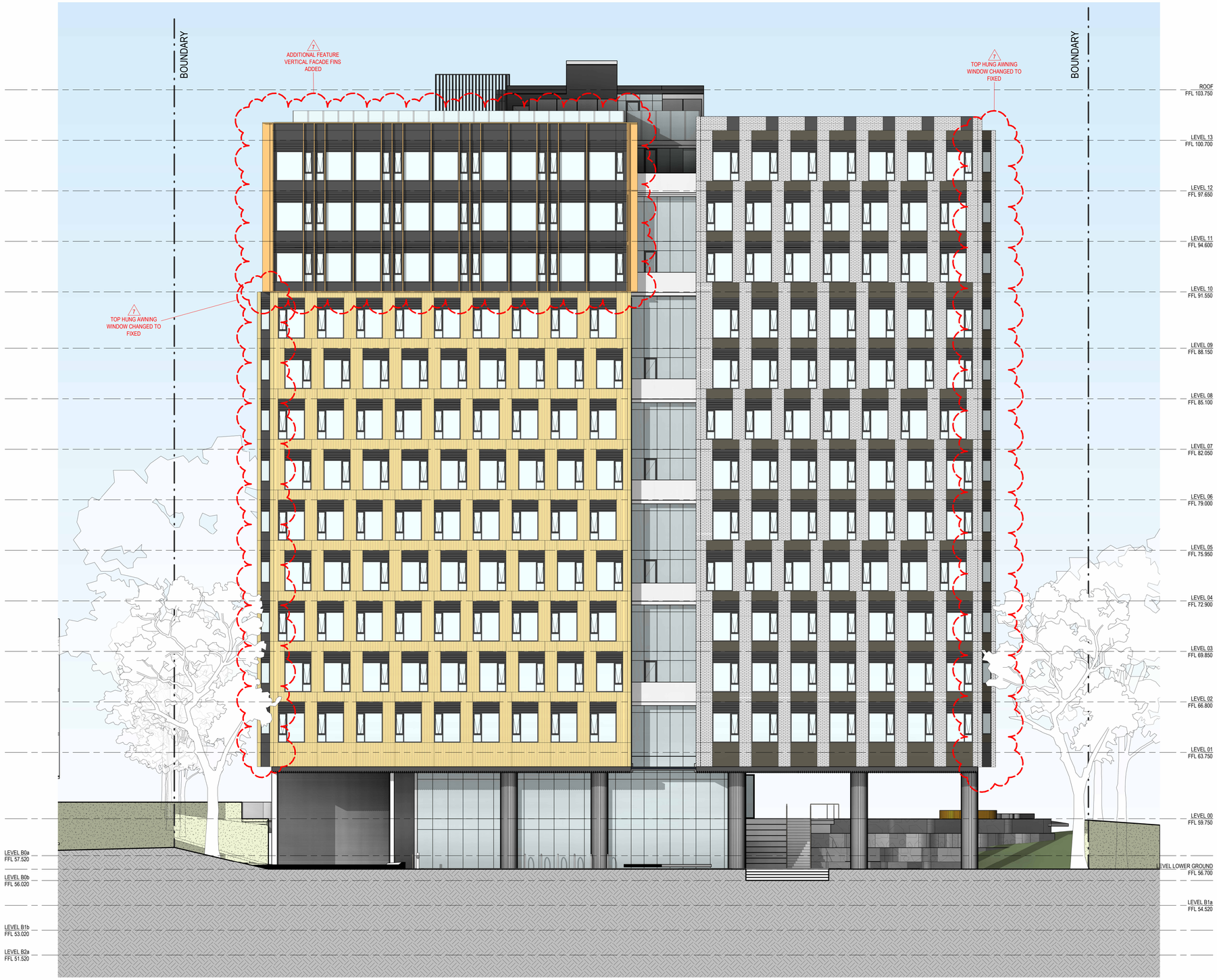
SCALE
1 : 125 @ A1

SHEET NUMBER
DA2017

REVISION
7

PUBLISH DATE: 6/07/2023 10:24:38 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SOUTH/EAST ELEVATION - LACHLAN AVENUE

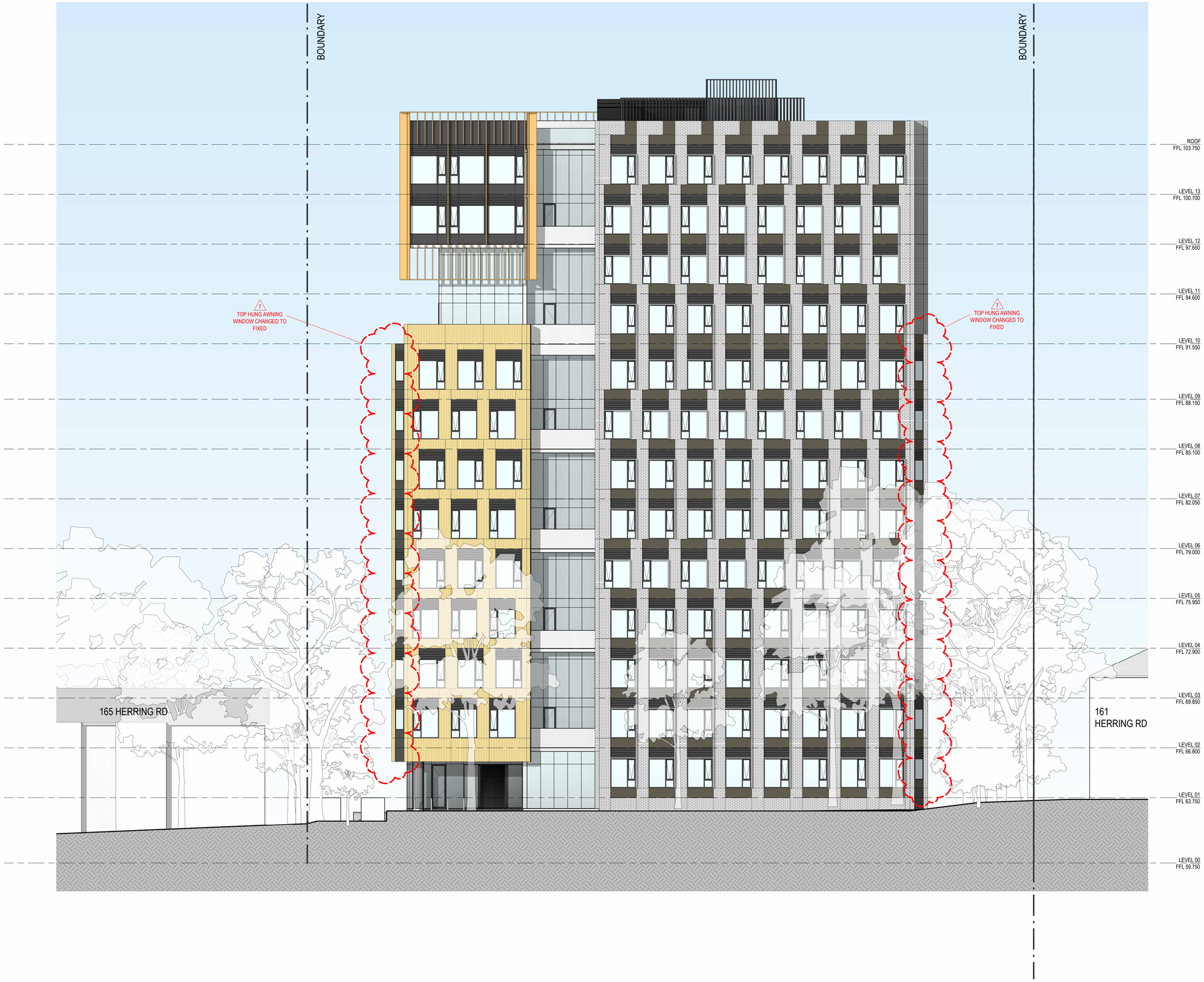
SCALE
1 : 125 @ A1

SHEET NUMBER
DA3101

REVISION
7

PUBLISH DATE: 6/07/2023 10:29:53 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
NORTH/WEST ELEVATION - HERRING ROAD

SCALE
1 : 125 @ A1

SHEET NUMBER
DA3102

REVISION
7

PUBLISH DATE: 6/07/2023 10:44:38 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES
PTE.LTD

PROJECT
Lachlan Ave Student
Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue &
136 Herring Road,
Macquarie Park, NSW
2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
NORTH/EAST
ELEVATION -
COURTYARD

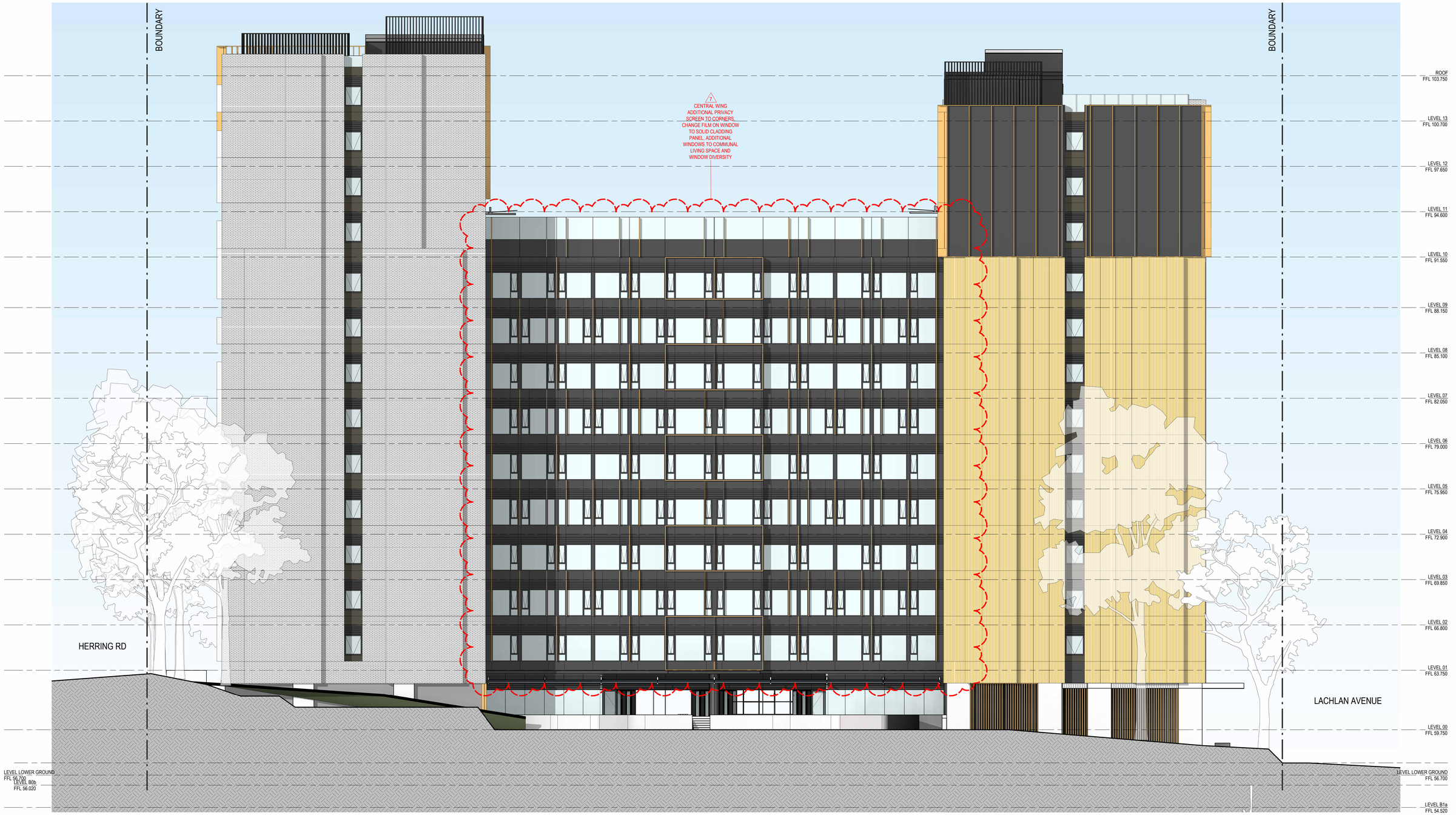
SCALE
1 : 125
@ A1

SHEET NUMBER
DA3103

REVISION
7

PUBLISH DATE: 6/07/2023 10:58:24 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SOUTH/WEST ELEVATION - COURTYARD

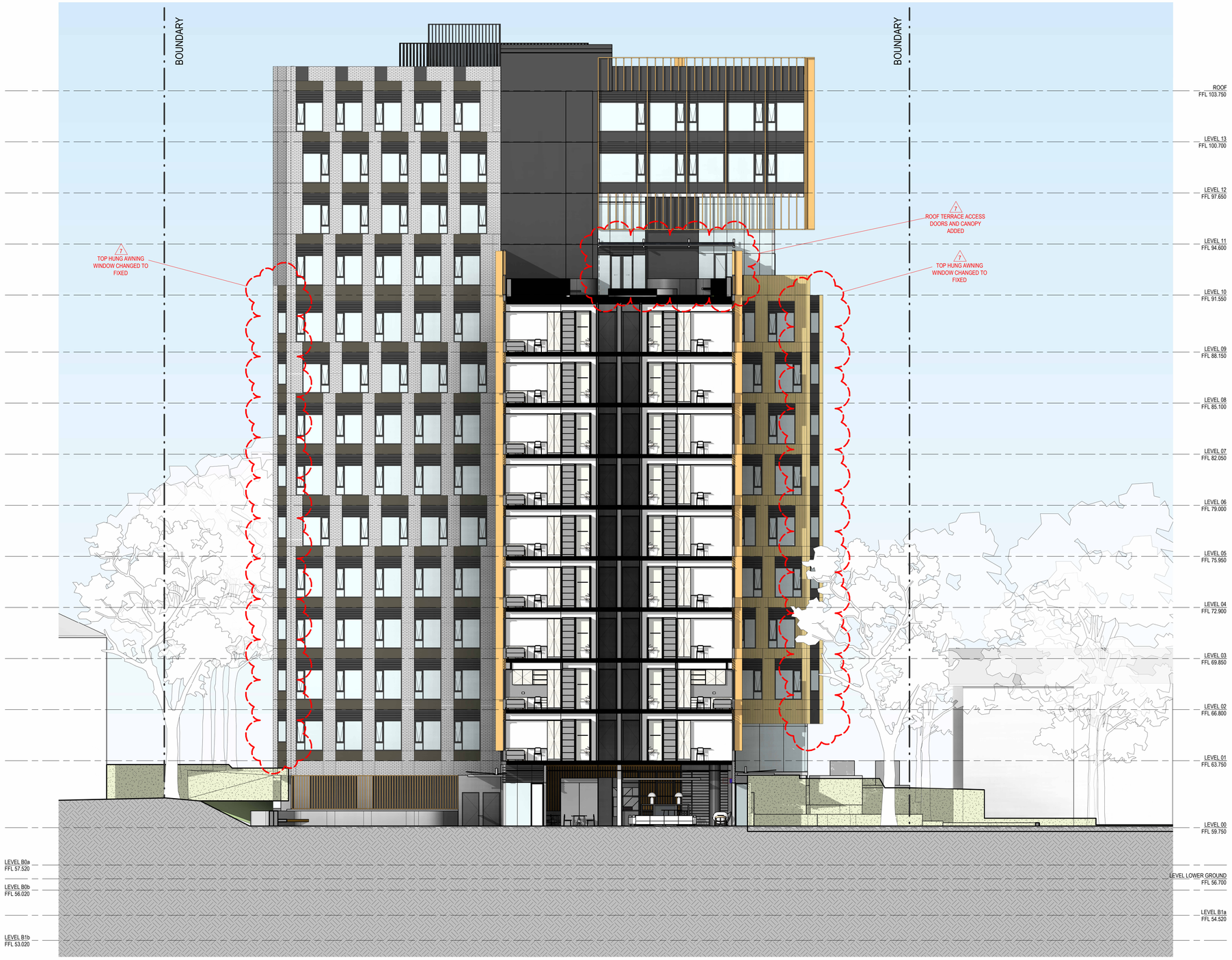
SCALE
1 : 125 @ A1

SHEET NUMBER
DA3104

REVISION
7

PUBLISH DATE: 4/07/2023 11:03:54 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
HERRING ROAD
ELEVATION - WING INTERNAL

SCALE
1 : 125 @ A1

SHEET NUMBER
DA3105

REVISION
7

PUBLISH DATE: 6/07/2023 11:10:47 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
LACHLAN AVE
ELEVATION - WING INTERNAL

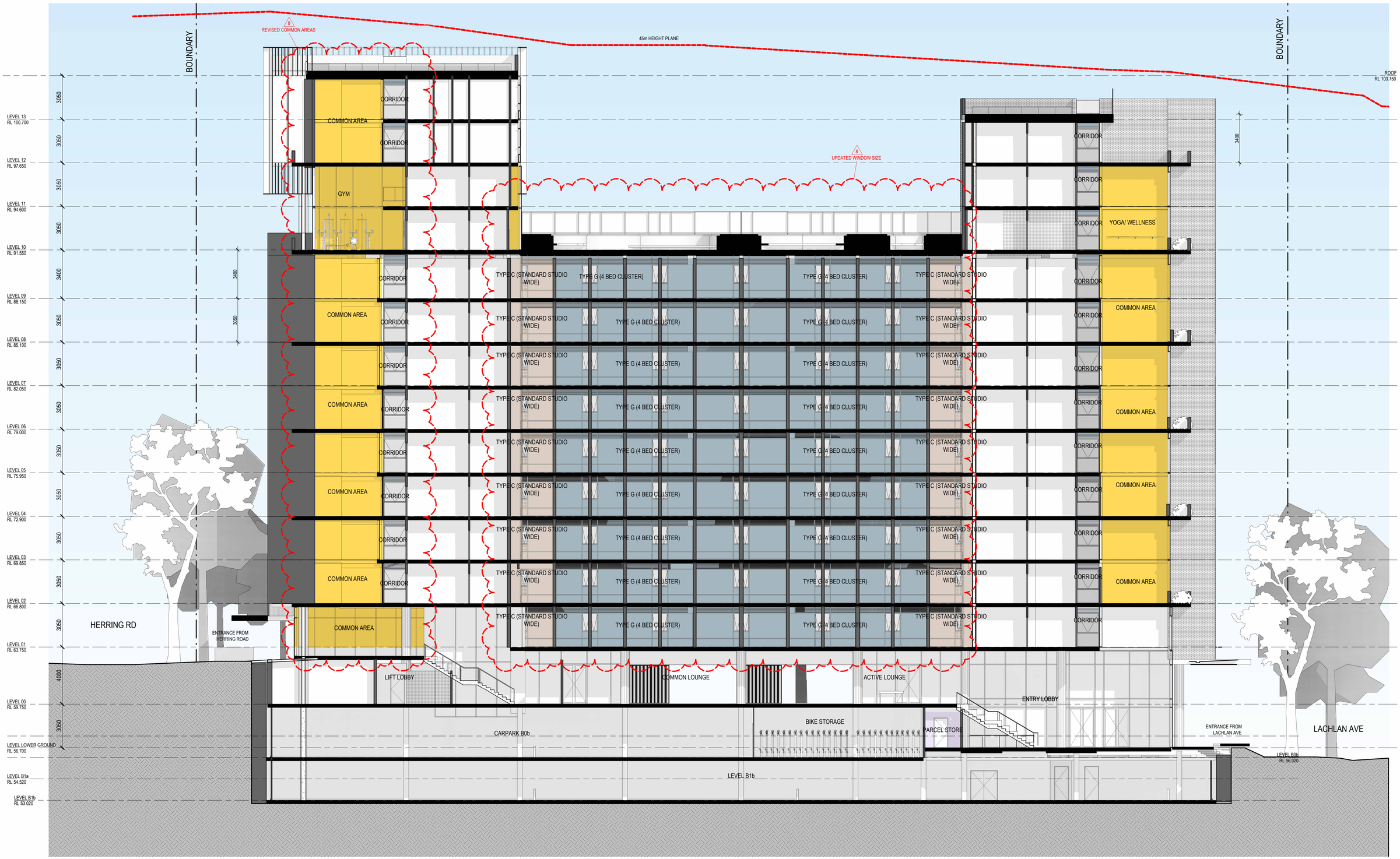
SCALE
1 : 125
@ A1

SHEET NUMBER
DA3106

REVISION
7

PUBLISH DATE: 18/05/2023 1:51:31 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
8	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SECTION 01

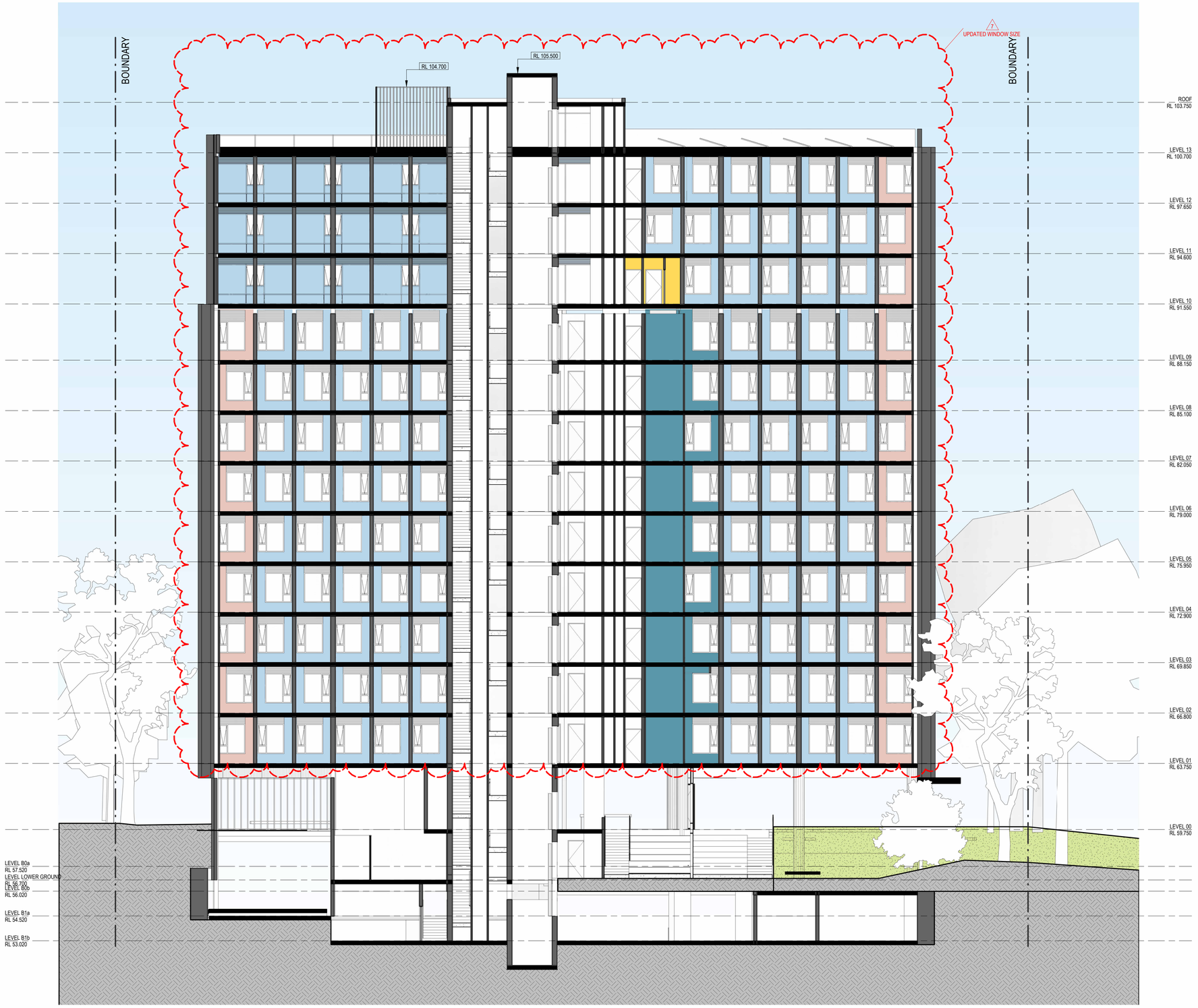
SCALE
1 : 125 @ A1

SHEET NUMBER
DA3201

REVISION
8

PUBLISH DATE: 17/05/2023 7:01:17 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SECTION 02

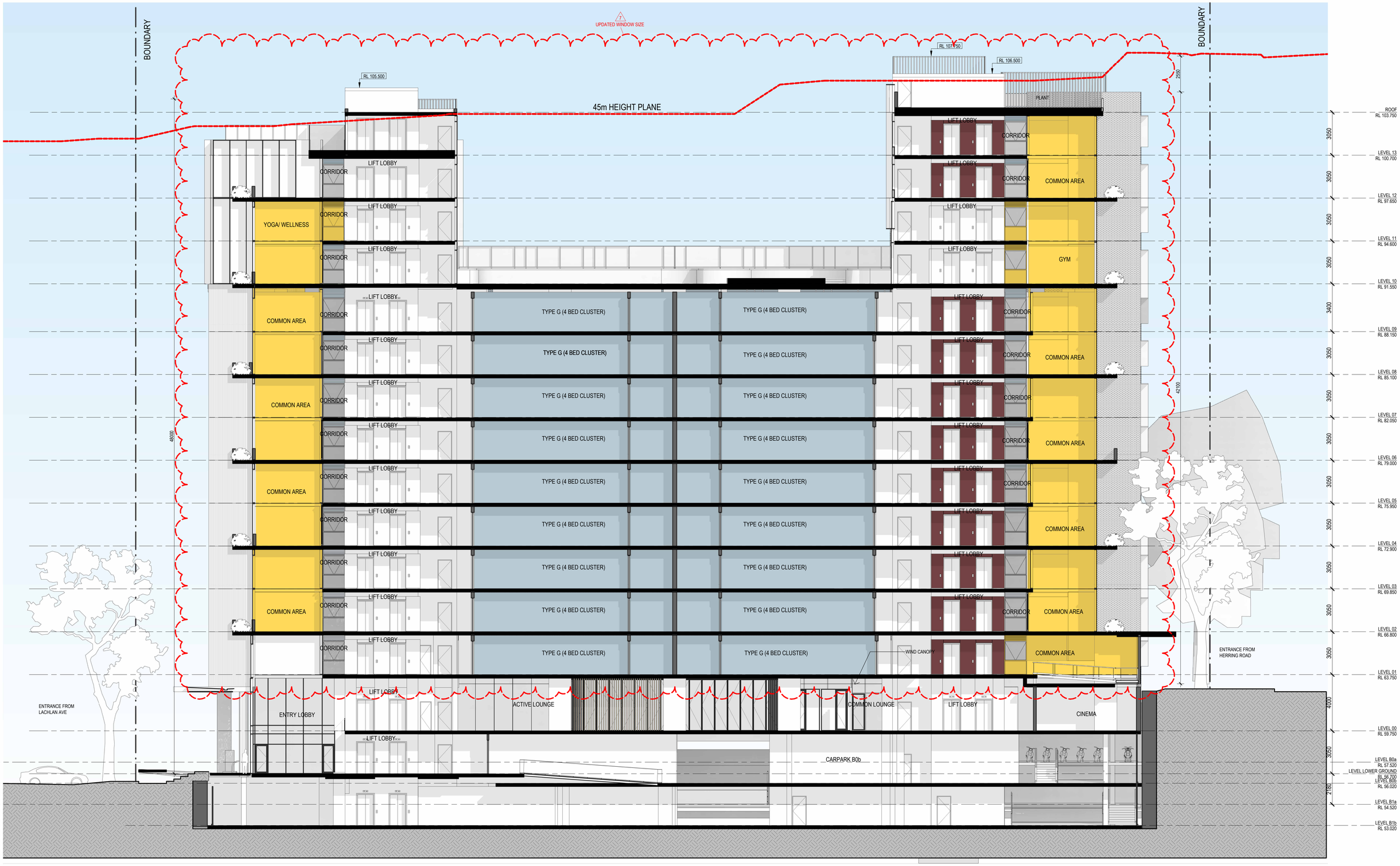
SCALE
1 : 125 @ A1

SHEET NUMBER
DA3202

REVISION
7

PUBLISH DATE: 18/05/2023 9:43:00 AM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SECTION 03

SCALE
1 : 125 @ A1

SHEET NUMBER
DA3203

REVISION
7

PUBLISH DATE: 16/05/2023 9:44:46 AM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

BOUNDARY

BOUNDARY

RL 107.750

45m HEIGHT PLANT

RL 104.700

RL 105.500

2 UPDATED WINDOW SIZE

ROOF
RL 103.750

LEVEL 13
RL 100.700

LEVEL 12
RL 97.650

LEVEL 11
RL 94.600

LEVEL 10
RL 91.550

LEVEL 09
RL 88.150

LEVEL 08
RL 85.100

LEVEL 07
RL 82.050

LEVEL 06
RL 79.000

LEVEL 05
RL 75.950

LEVEL 04
RL 72.900

LEVEL 03
RL 69.850

LEVEL 02
RL 66.800

LEVEL 01
RL 63.750

LEVEL 00
RL 59.750

LEVEL LOWER GROUND
RL 56.700

LEVEL B1a
RL 54.520

LEVEL B1b
RL 53.020

3050 3050 3050 3050 3400 3050 3050 3050 3050 3050 3050 4000 3050

TYPE A (STANDARD STUDIO)

TYPE B (PREMIUM STUDIO)

ENTRANCE FROM
HERRING ROAD

E-BIKE PARK/ MOTORBIKE

FAN ROOM

LEVEL B1a

RAMS TO B0a

4480

LOADING DOCK

4000

1:16

1:8.5

3000

1:16

1:20

ENTRANCE FROM
LACHLAN AVE

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES
PTE.LTD

PROJECT
Lachlan Ave Student
Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue &
136 Herring Road,
Macquarie Park, NSW
2113

REV	DATE	DESCRIPTION	DN	AP
7	16/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SECTION 04

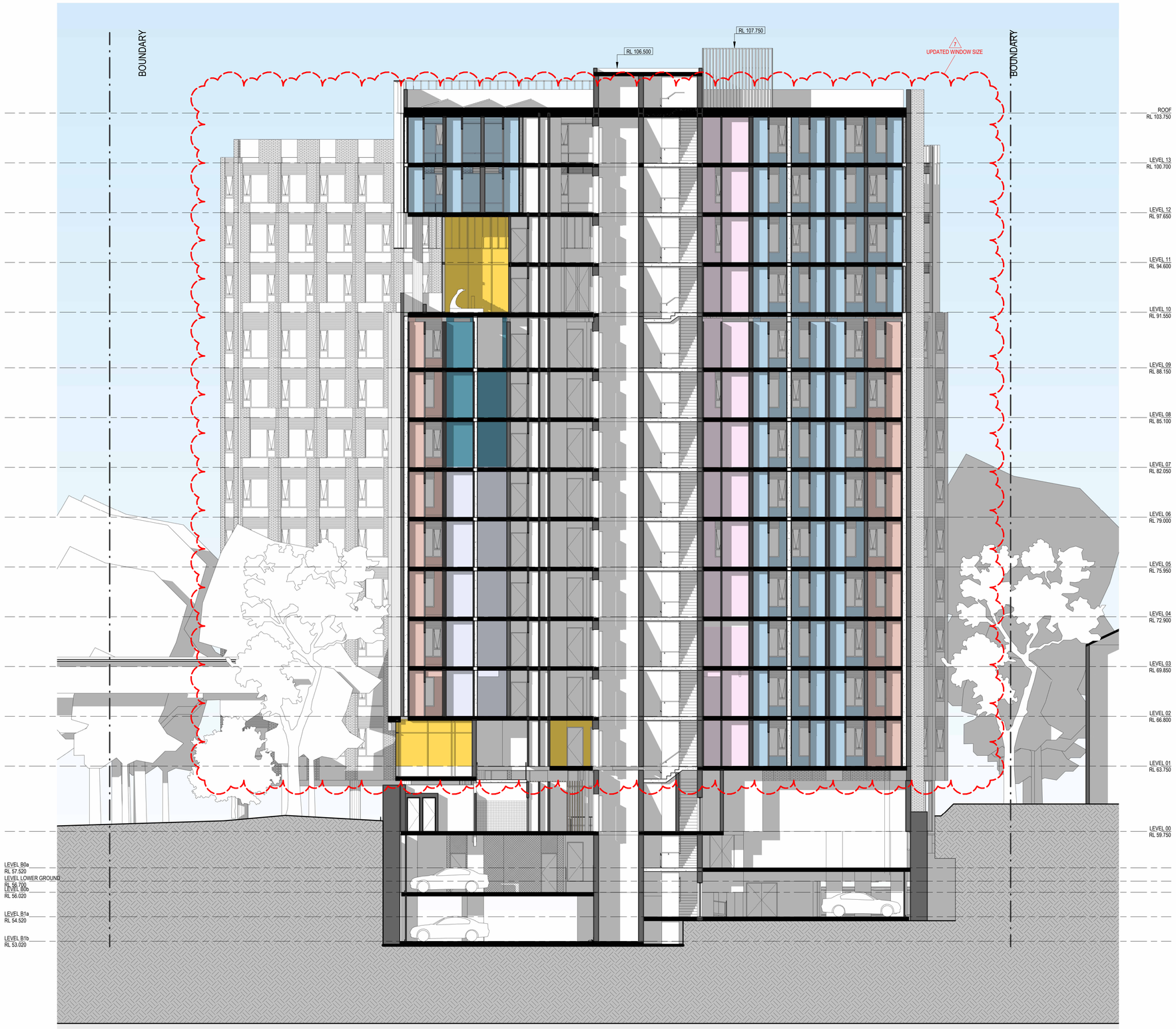
SCALE
1 : 125
@ A1

SHEET NUMBER
DA3204

REVISION
7

PUBLISH DATE: 17/5/2023 7:05:58 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SECTION 05

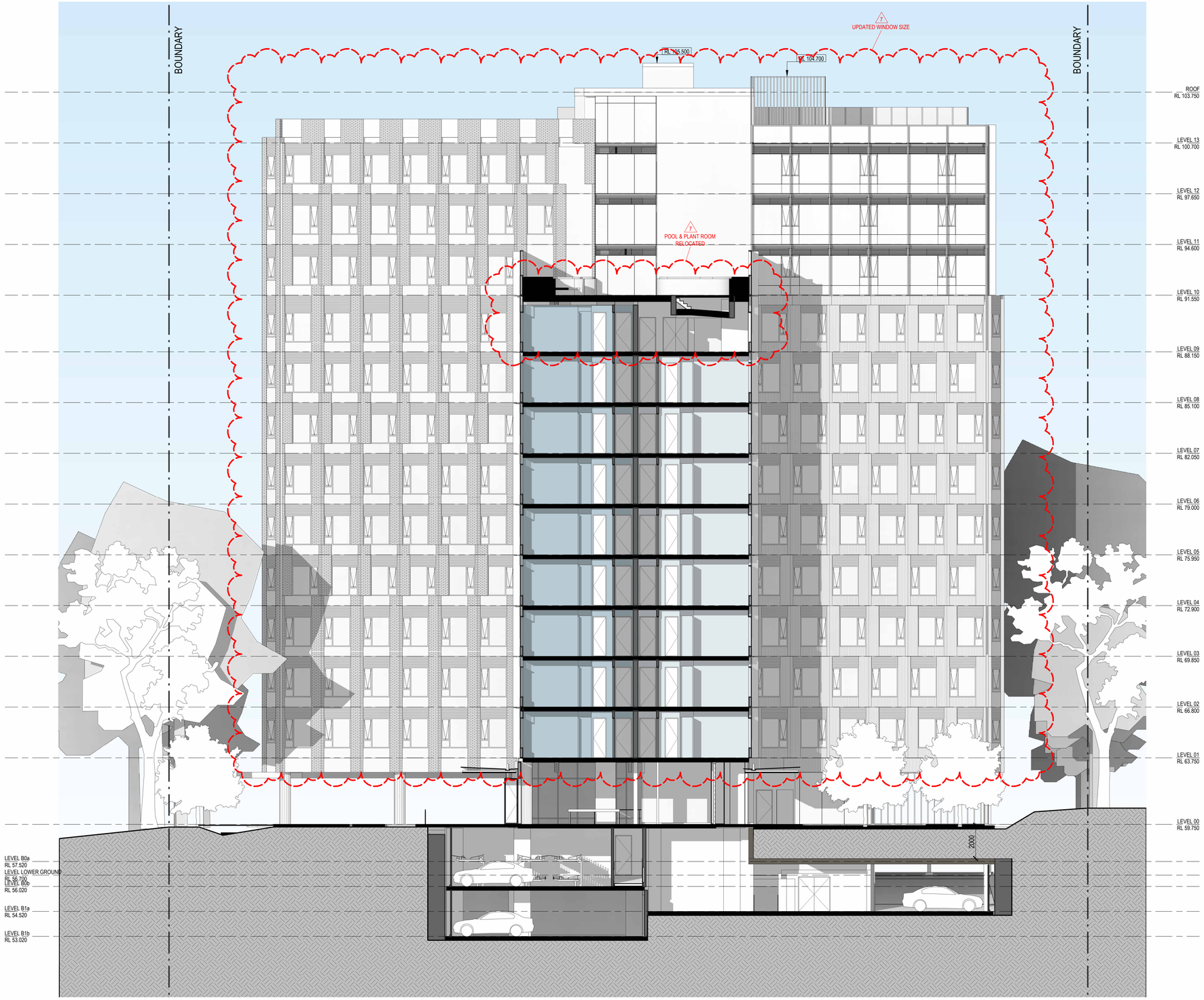
SCALE
1 : 125 @ A1

SHEET NUMBER
DA3205

REVISION
7

PUBLISH DATE: 18/05/2023 1:52:28 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SECTION 06

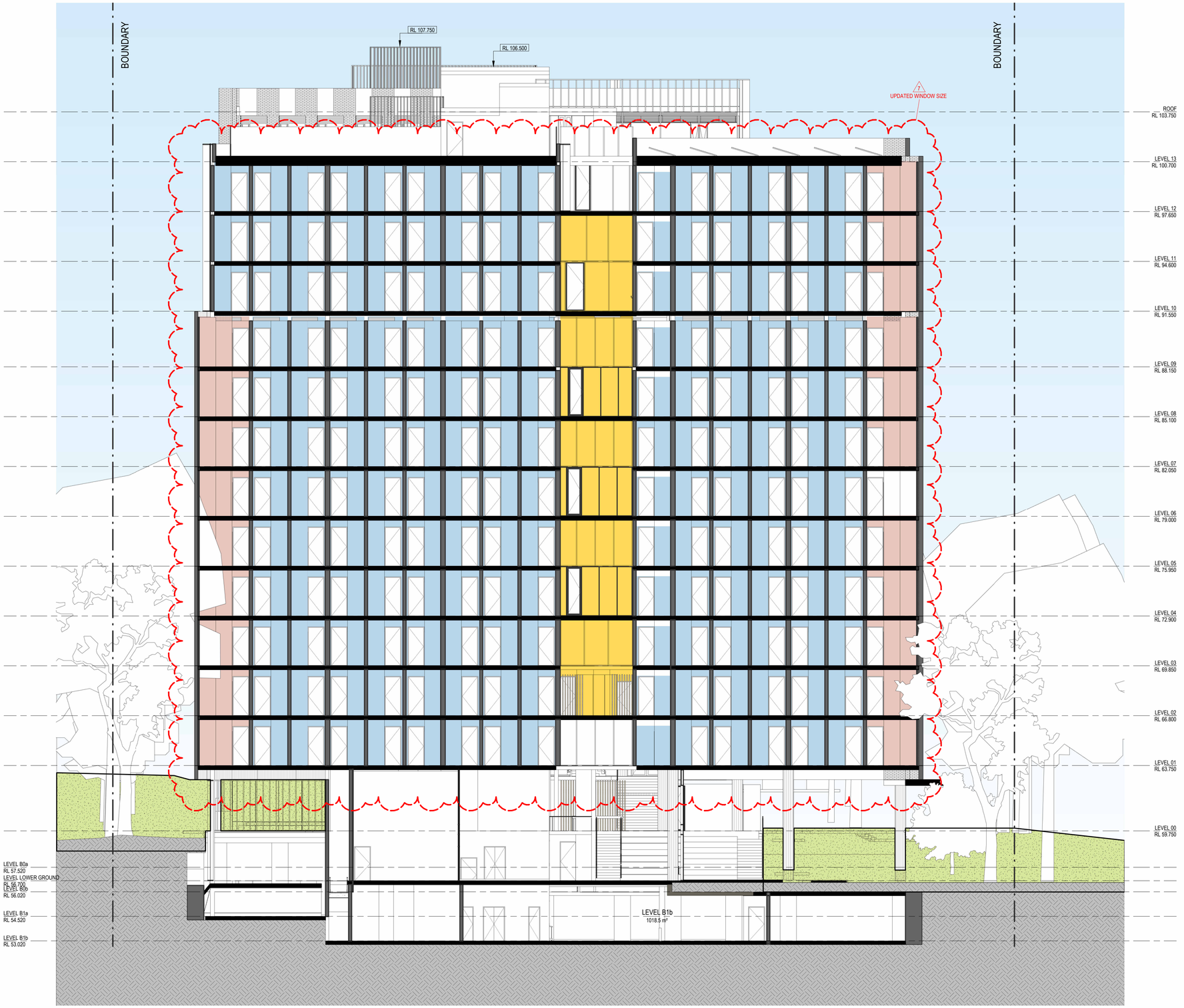
SCALE
1 : 125 @ A1

SHEET NUMBER
DA3206

REVISION
7

PUBLISH DATE: 19/05/2023 9:47:00 AM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SECTION 07

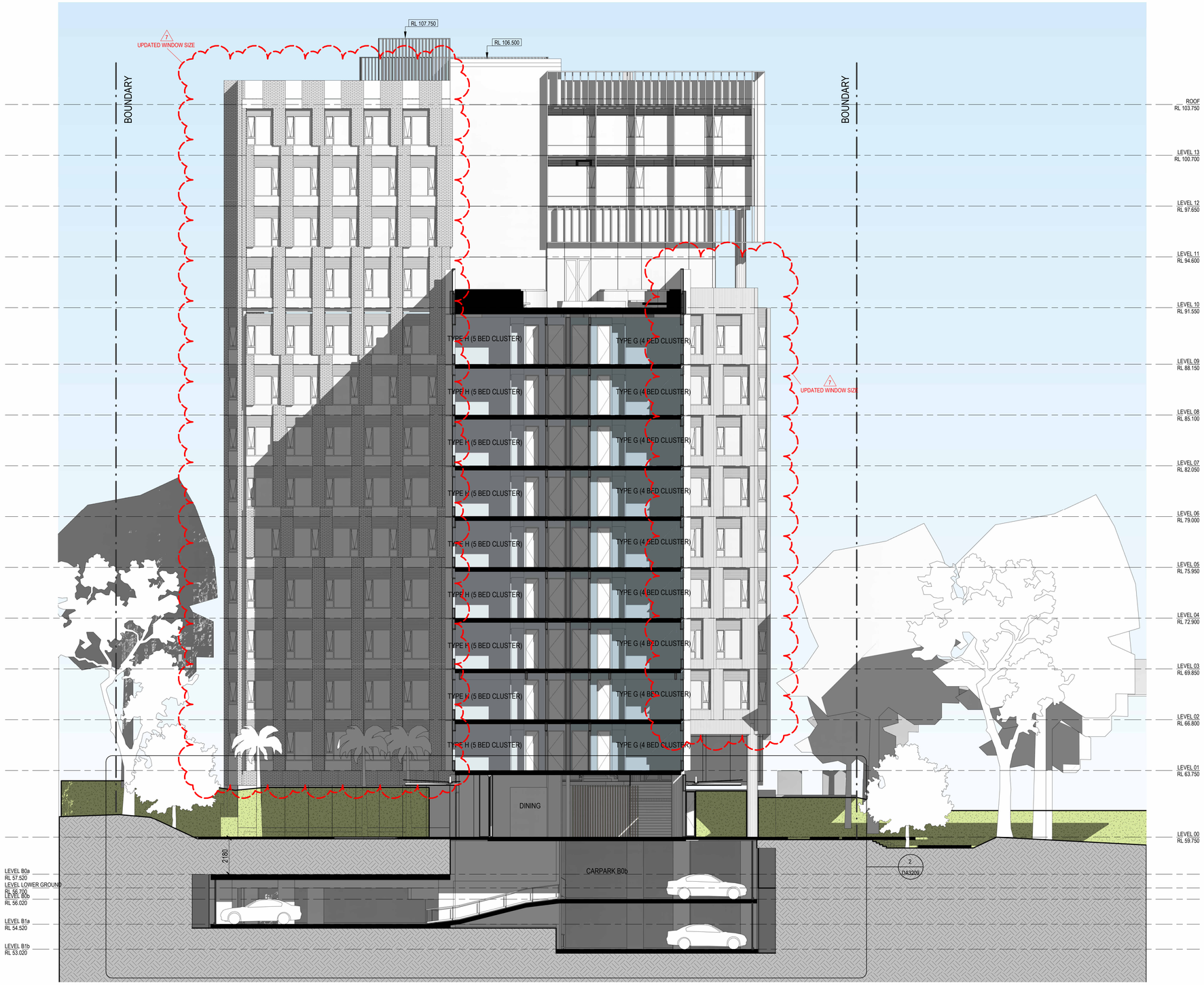
SCALE
1 : 125 @ A1

SHEET NUMBER
DA3207

REVISION
7

PUBLISH DATE: 17/05/2023 7:09:27 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SECTION 08

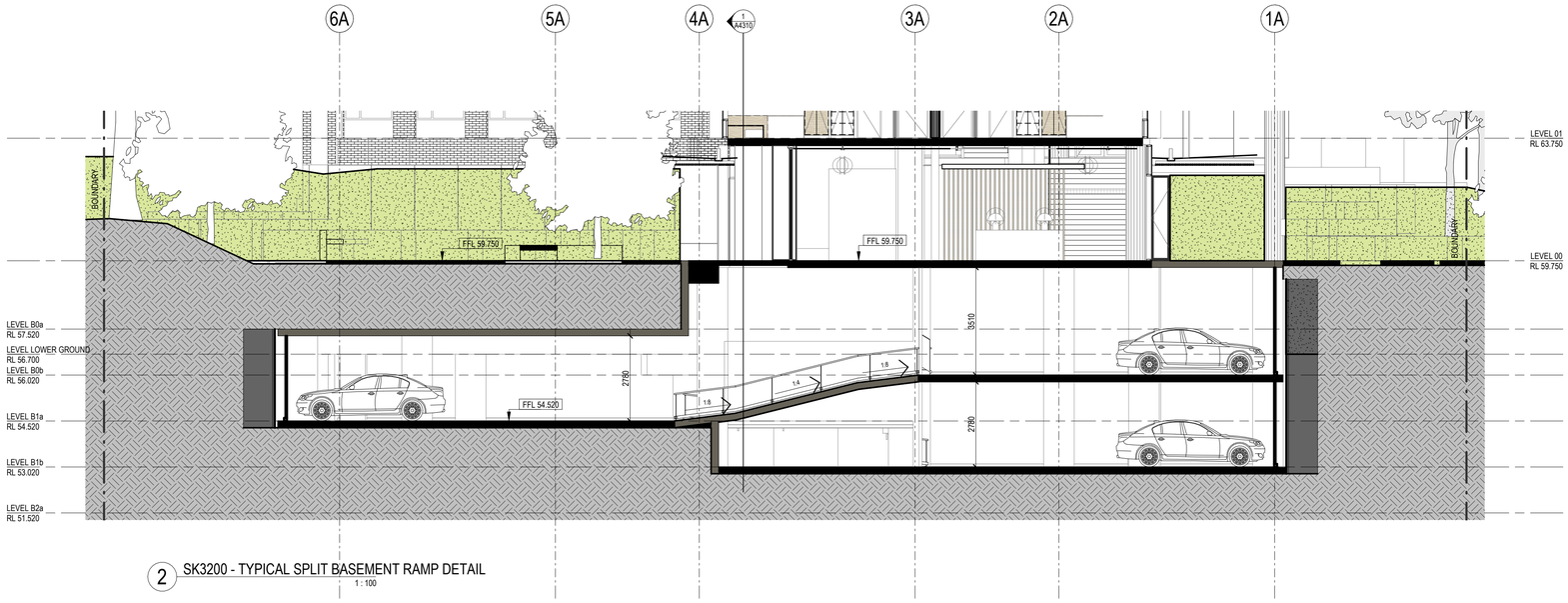
SCALE
1 : 125 @ A1

SHEET NUMBER
DA3208

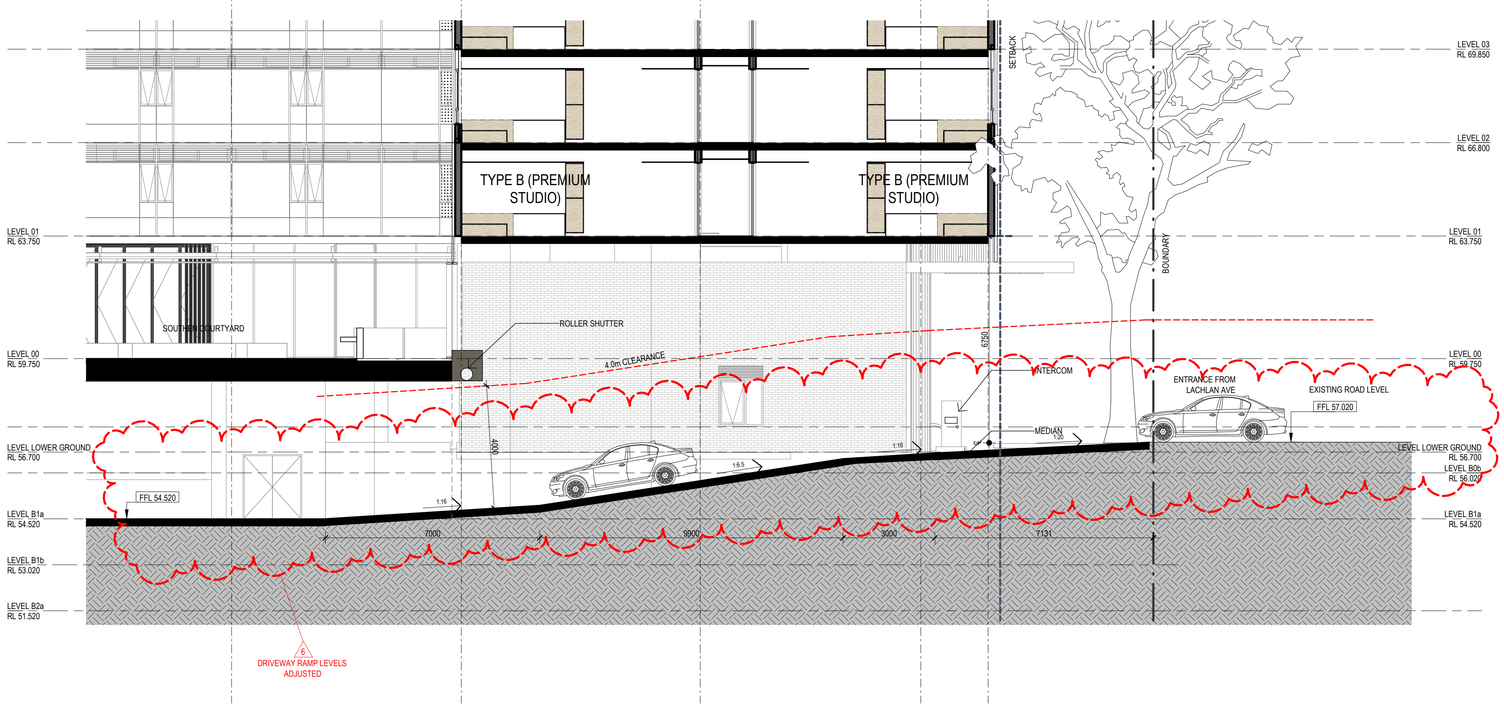
REVISION
7

PUBLISH DATE: 18/05/2023 4:15:36 PM

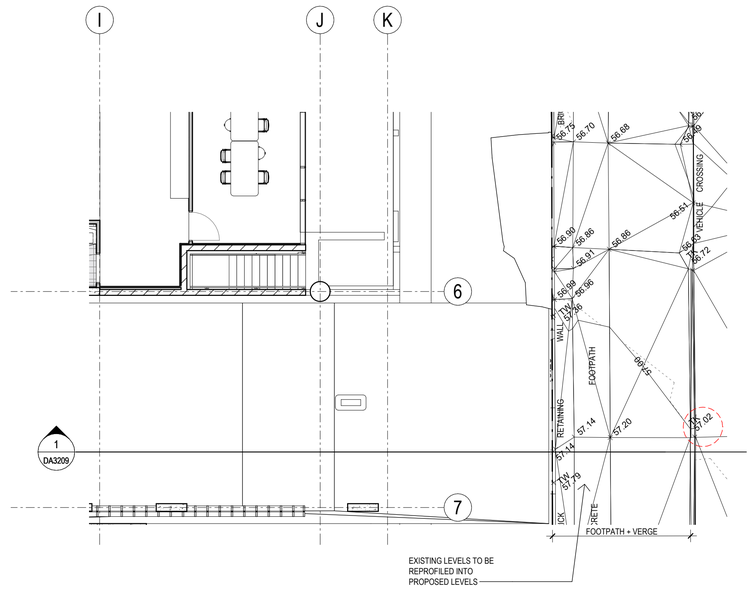
THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



2 SK3200 - TYPICAL SPLIT BASEMENT RAMP DETAIL
1 : 100



1 DA3200 - CAR PARK ENTRANCE RAMP SECTION DETAIL
1 : 100



GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
6	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
RAMP SECTION DETAIL

SCALE
1 : 100 @ A1

SHEET NUMBER
DA3209

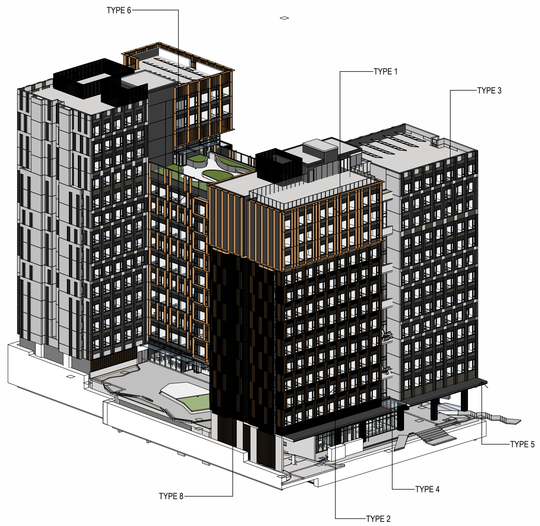
REVISION
6

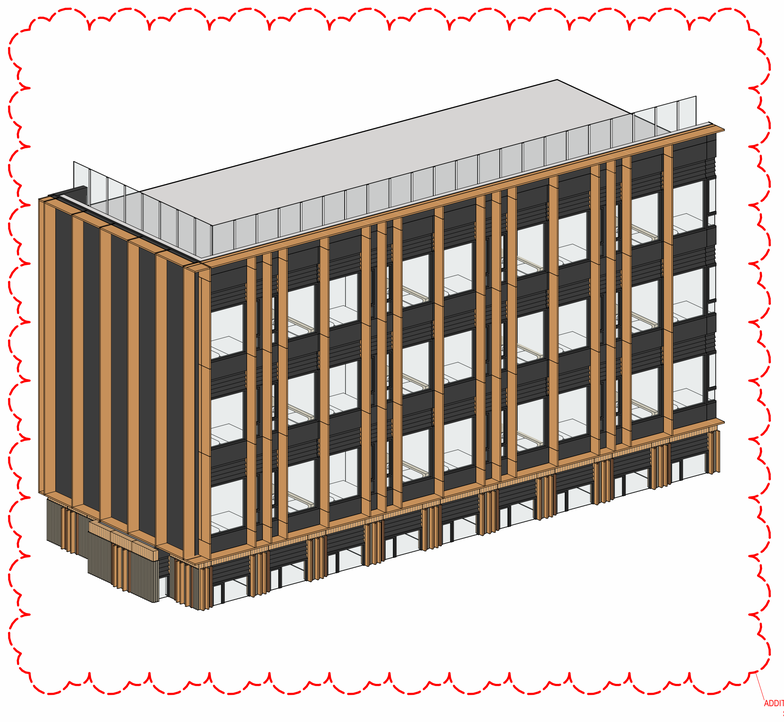
PUBLISH DATE: 6/07/2023 11:12:29 PM

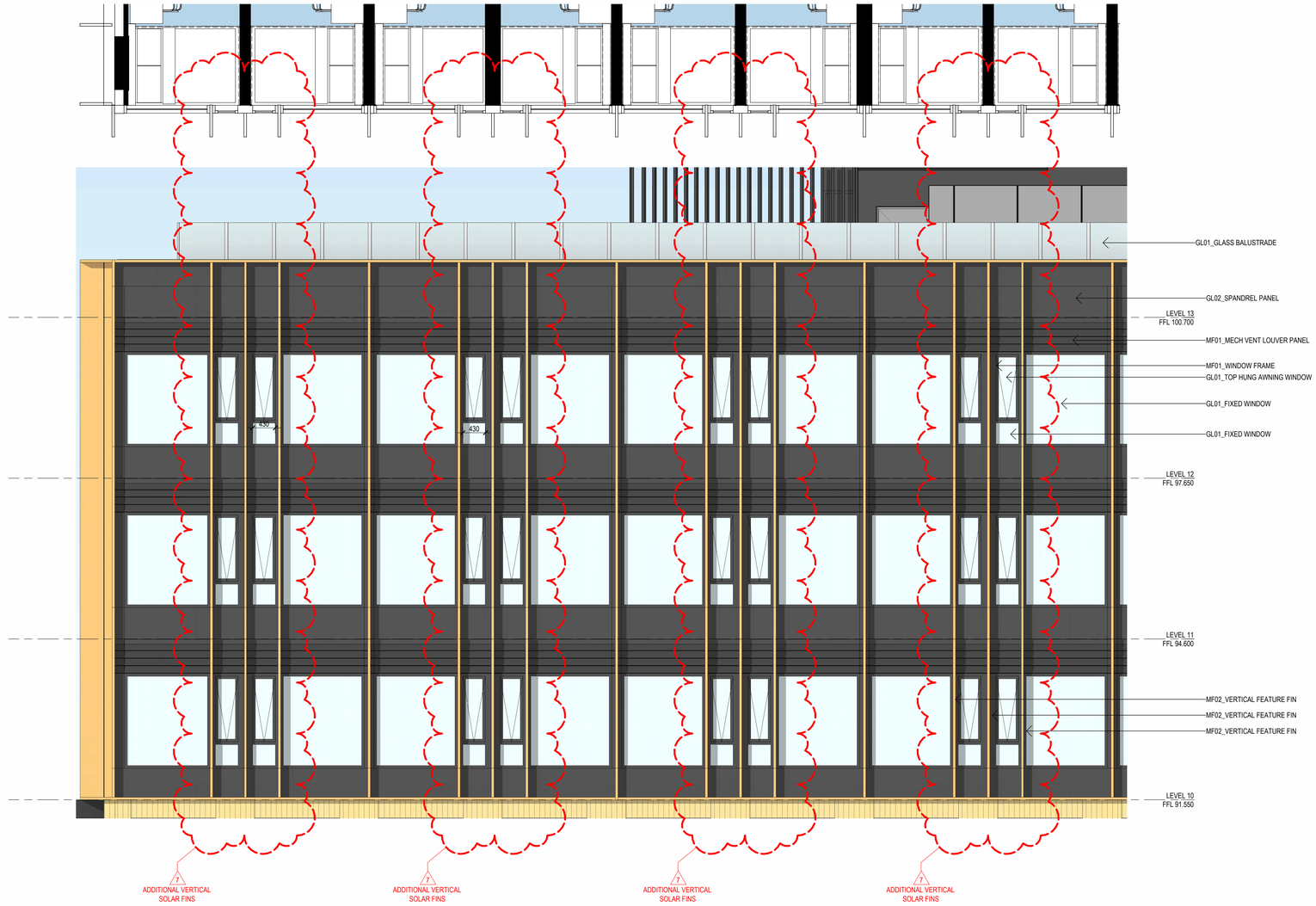
THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

TYPE 1: CURTAIN WALL SYSTEM GLAZING

TOP HUNG AWNING WINDOW
INTEGRATED MECH VENT LOUVER GRILL DETAIL TO WINDOW HEAD







EXTERNAL FINISHES LEGEND

CON01 - CONCRETE FINISH
- EXPOSED CONCRETE BALCONIES
- EXPOSED CONCRETE STRUCTURE
- EXPOSED CONCRETE SOFFIT

MF01 - METAL FINISH
PPC INTERPON 'BRILLIANCE'
- WINDOW FRAME/LOUVRE/
- METAL CLADDING PANEL

MF02, MF03, MF04 - METAL FINISH
- FEATURE METAL BATTEN CLADDING PANELS

MF07 - METAL FINISH
PPC INTERPON 'SANDSTONE'
- SUNSHADE HOOD AND FIN

GL01 - GLAZING CLEAR
- BALUSTRADE
- WINDOWS TOP HUNG AWNING
- WINDOWS FIXED GAZING
- GLASS CANOPY

MF02 - METAL FINISH
PPC INTERPON ' DESERT DREAM'
- FEATURE METAL BATTEN 50X150MM
- FEATURE VERTICAL FINS & FRAMING

MF03 - METAL FINISH
PPC INTERPON 'BRONZE PEARL'
- FEATURE METAL BATTEN 50X40MM

MF04 - METAL FINISH
PPC INTERPON 'COPPER PENNY'
- FEATURE METAL BATTEN 50X75MM

GL02 - GLAZING WITH COLOURBACK
PPC INTERPON 'BRILLIANCE'
- GLASS SPANDREL
- GLASS CLADDING PANEL

MF05 - METAL FINISH
TIMBER LOOK ALUMINIUM BATTENS
- CLADDING TO CIRCULAR COLUMNS

MF06 - METAL FINISH
PPC BLACK
- FEATURE BATTEN TO CANOPY SOFFIT

BR01 - BRICK FINISH
PGH- BRICKS SMOOTH_PEARL-GREY
- FEATURE BRICK CLADDING SYSTEM WITH PROTRUDING DETAIL

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
FACADE TYPES / MATERIALS TYPE 1

SCALE
1 : 50
@ A1

SHEET NUMBER
DA4201

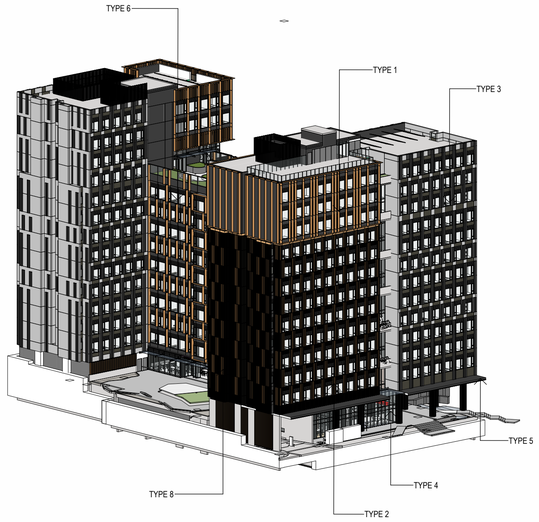
REVISION
7

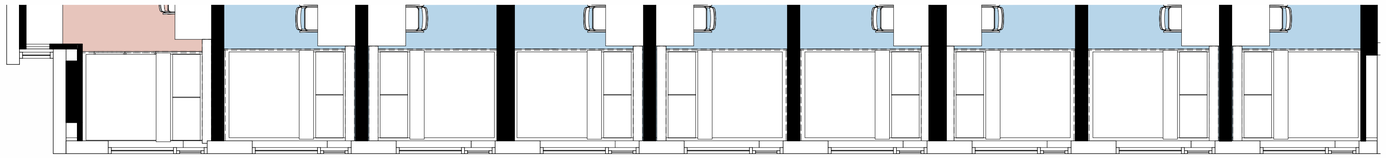
PUBLISH DATE: 6/07/2023 11:53:3 PM

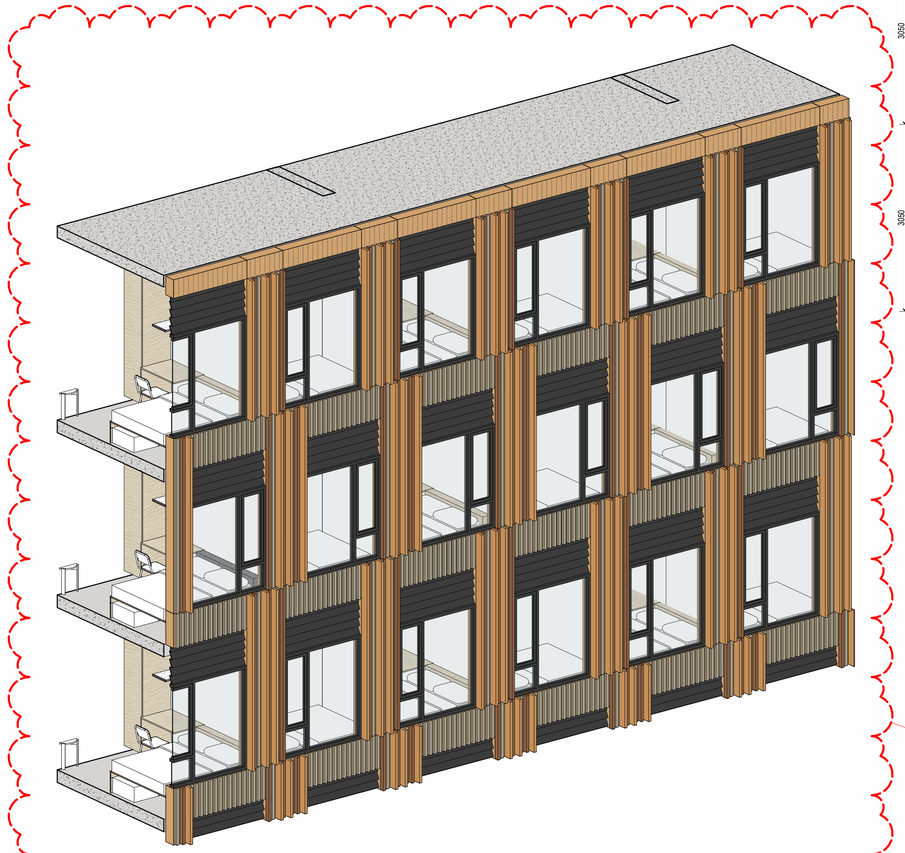
THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

TYPE 2:
WINDOW SYSTEM GLAZING

TOP HUNG AWNING WINDOW - VARIOUS WIDTHS
INTEGRATED MECH VENT LOUVER GRILL DETAIL TO WINDOW HEAD







7 DETAIL OF FEATURE BATTEN SCREENS ADDED TO AXOMETRIC DESIGN INTENT



7 TOP HUNG AWNING CHANGED TO FIXED WINDOW

EXTERNAL FINISHES LEGEND

CON01 - CONCRETE FINISH
- EXPOSED CONCRETE BALCONIES
- EXPOSED CONCRETE STRUCTURE
- EXPOSED CONCRETE SOFFIT

MF01 - METAL FINISH
PPC INTERPON 'BRILLIANCE'
- WINDOW FRAME/LOUVRE/
- METAL CLADDING PANEL

MF02, MF03, MF04 - METAL FINISH
- FEATURE METAL BATTEN CLADDING PANELS

MF07 - METAL FINISH
PPC INTERPON 'SANDSTONE'
- SUNSHADE HOOD AND FIN

GL01 - GLAZING CLEAR
- BALUSTRADE
- WINDOWS TOP HUNG AWNING
- WINDOWS FIXED GAZING
- GLASS CANOPY

MF02 - METAL FINISH
PPC INTERPON ' DESERT DREAM'
- FEATURE METAL BATTEN 50X150MM
- FEATURE VERTICAL FINS & FRAMING

MF03 - METAL FINISH
PPC INTERPON 'BRONZE PEARL'
- FEATURE METAL BATTEN 50X40MM

MF04 - METAL FINISH
PPC INTERPON 'COPPER PENNY'
- FEATURE METAL BATTEN 50X75MM

GL02 - GLAZING WITH COLOURBACK
PPC INTERPON 'BRILLIANCE'
- GLASS SPANDREL
- GLASS CLADDING PANEL

MF05 - METAL FINISH
TIMBER LOOK ALUMINIUM BATTENS
- CLADDING TO CIRCULAR COLUMNS

MF06 - METAL FINISH
PPC BLACK
- FEATURE BATTEN TO CANOPY SOFFIT

BR01 - BRICK FINISH
PGH- BRICKS SMOOTH_PEARL-GREY
- FEATURE BRICK CLADDING SYSTEM WITH PROTRUDING DETAIL

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
FACADE TYPES / MATERIALS TYPE 2

SCALE
1 : 50 @ A1

SHEET NUMBER
DA4202

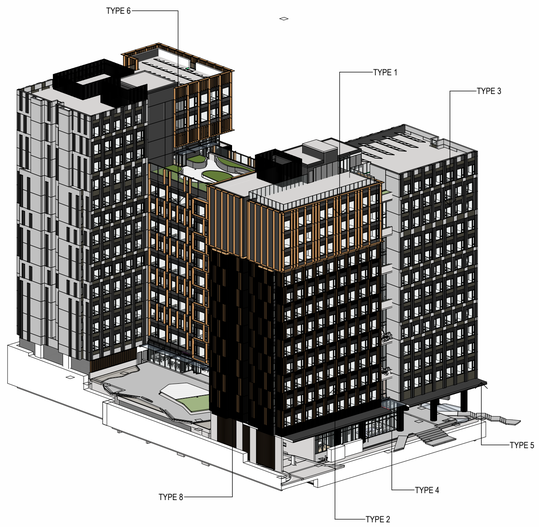
REVISION
7

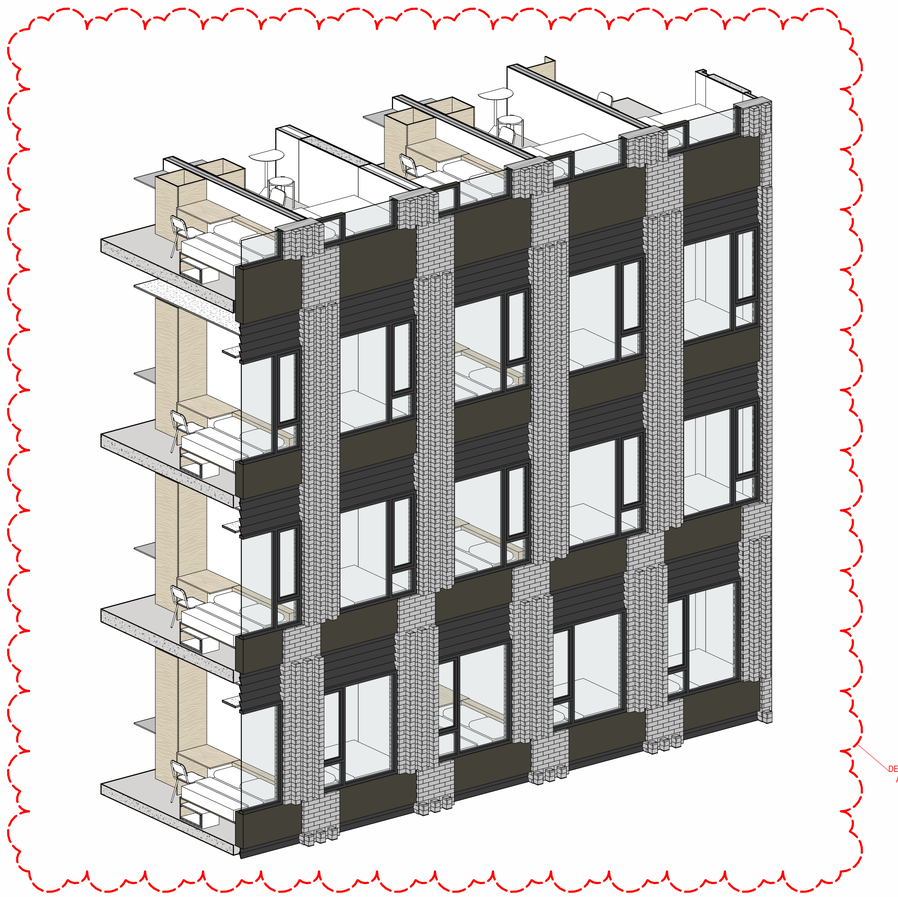
PUBLISH DATE: 6/07/2023 11:15:28 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

TYPE 3: BRICK CLADDING SYSTEM
CURTAIN WALLING SYSTEM GLAZING

TOP HUNG AWNING WINDOW - VARIOUS WIDTHS
INTEGRATED MECH VENT LOUVER GRILL DETAIL TO WINDOW HEAD







EXTERNAL FINISHES LEGEND

CON01 - CONCRETE FINISH
- EXPOSED CONCRETE BALCONIES
- EXPOSED CONCRETE STRUCTURE
- EXPOSED CONCRETE SOFFIT

MF01 - METAL FINISH
PPC INTERPON 'BRILLIANCE'
- WINDOW FRAME/LOUVRE/
- METAL CLADDING PANEL

MF02, MF03, MF04 - METAL FINISH
- FEATURE METAL BATTEN CLADDING PANELS

MF07 - METAL FINISH
PPC INTERPON 'SANDSTONE'
- SUNSHADE HOOD AND FIN

GL01 - GLAZING CLEAR
- BALUSTRADE
- WINDOWS TOP HUNG AWNING
- WINDOWS FIXED GAZING
- GLASS CANOPY

MF02 - METAL FINISH
PPC INTERPON ' DESERT DREAM'
- FEATURE METAL BATTEN 50X150MM
- FEATURE VERTICAL FINS & FRAMING

MF03 - METAL FINISH
PPC INTERPON 'BRONZE PEARL'
- FEATURE METAL BATTEN 50X40MM

MF04 - METAL FINISH
PPC INTERPON 'COPPER PENNY'
- FEATURE METAL BATTEN 50X75MM

GL02 - GLAZING WITH COLOURBACK
PPC INTERPON 'BRILLIANCE'
- GLASS SPANDREL
- GLASS CLADDING PANEL

MF05 - METAL FINISH
TIMBER LOOK ALUMINIUM BATTENS
- CLADDING TO CIRCULAR COLUMNS

MF06 - METAL FINISH
PPC BLACK
- FEATURE BATTEN TO CANOPY SOFFIT

BR01 - BRICK FINISH
PGH- BRICKS SMOOTH_PEARL-GREY
- FEATURE BRICK CLADDING SYSTEM WITH PROTRUDING DETAIL

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES
PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
FACADE TYPES / MATERIALS TYPE 3

SCALE
1 : 50 @ A1

SHEET NUMBER
DA4203

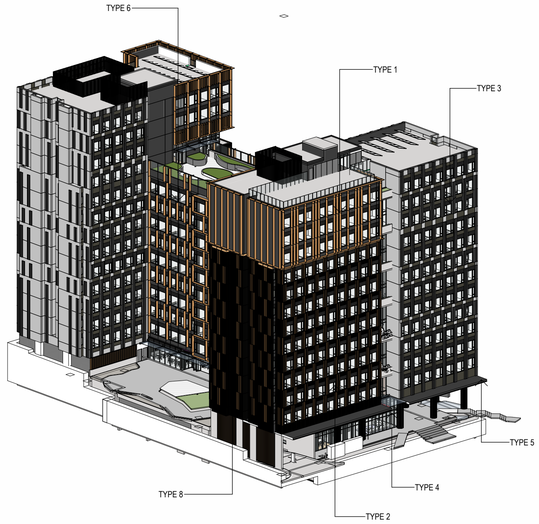
REVISION
7

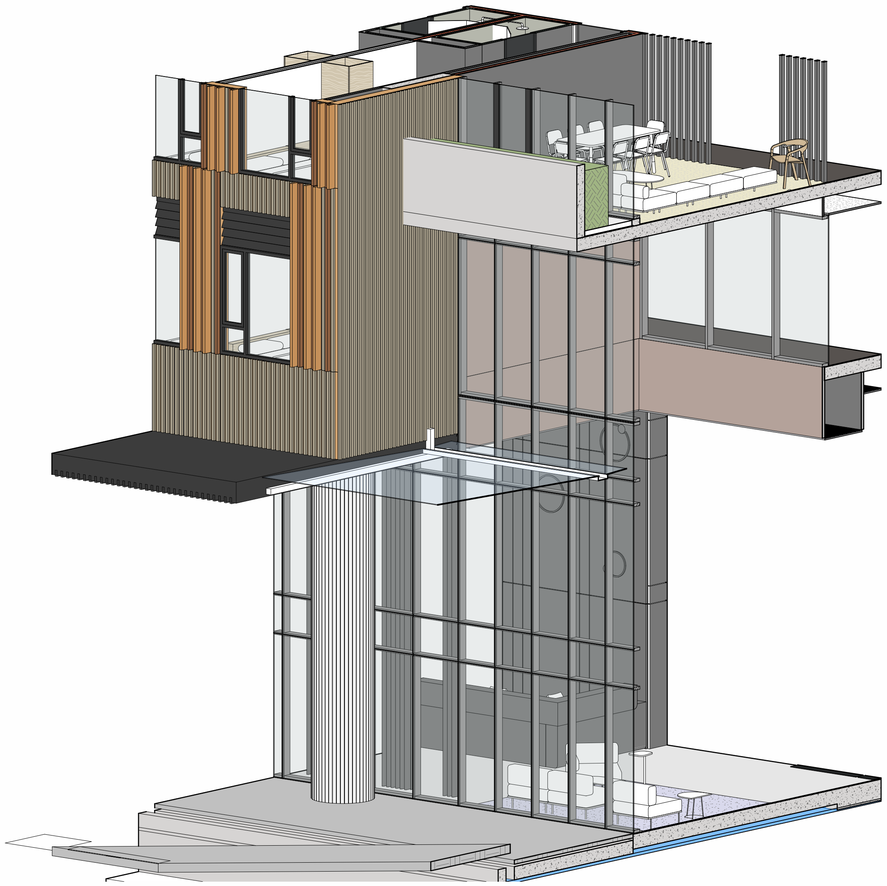
PUBLISH DATE: 6/07/2023 11:17:01 PM

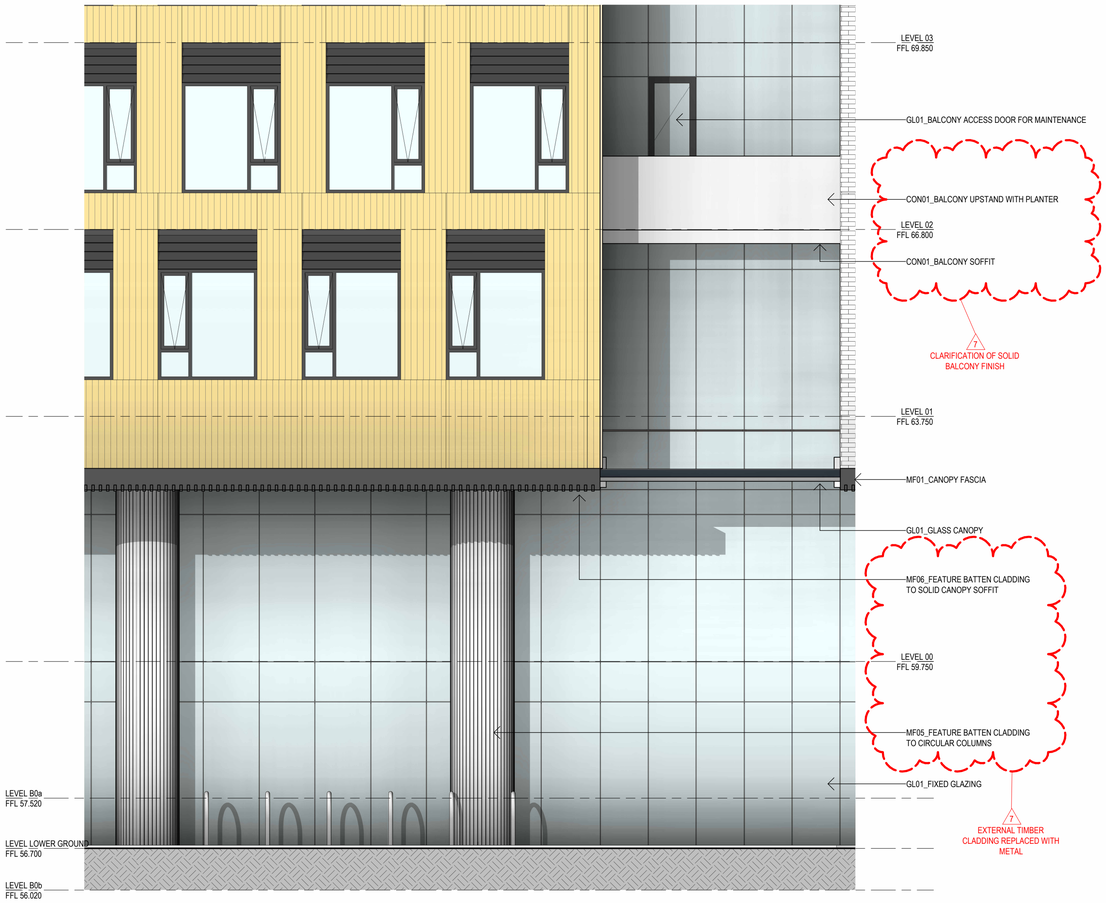
THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

TYPE 4
CURTAIN WALL SYSTEM TO COMMUNAL SPACES

INTEGRATED MECH VENT LOUVER GRILL DETAIL TO TOP EDGE / BULKHEAD







EXTERNAL FINISHES LEGEND

CON01 - CONCRETE FINISH
- EXPOSED CONCRETE BALCONIES
- EXPOSED CONCRETE STRUCTURE
- EXPOSED CONCRETE SOFFIT

MF01 - METAL FINISH
PPC INTERPON 'BRILLIANCE'
- WINDOW FRAME/LOUVRE/
- METAL CLADDING PANEL

MF02, MF03, MF04 - METAL FINISH
- FEATURE METAL BATTEN CLADDING PANELS

MF07 - METAL FINISH
PPC INTERPON 'SANDSTONE'
- SUNSHADE HOOD AND FIN

GL01 - GLAZING CLEAR
- BALUSTRADE
- WINDOWS TOP HUNG AWNING
- WINDOWS FIXED GAZING
- GLASS CANOPY

MF02 - METAL FINISH
PPC INTERPON ' DESERT DREAM'
- FEATURE METAL BATTEN 50X150MM
- FEATURE VERTICAL FINS & FRAMING

MF03 - METAL FINISH
PPC INTERPON 'BRONZE PEARL'
- FEATURE METAL BATTEN 50X40MM

MF04 - METAL FINISH
PPC INTERPON 'COPPER PENNY'
- FEATURE METAL BATTEN 50X75MM

GL02 - GLAZING WITH COLOURBACK
PPC INTERPON 'BRILLIANCE'
- GLASS SPANDREL
- GLASS CLADDING PANEL

MF05 - METAL FINISH
TIMBER LOOK ALUMINIUM BATTENS
- CLADDING TO CIRCULAR COLUMNS

MF06 - METAL FINISH
PPC BLACK
- FEATURE BATTEN TO CANOPY SOFFIT

BR01 - BRICK FINISH
PGH- BRICKS SMOOTH_PEARL-GREY
- FEATURE BRICK CLADDING SYSTEM WITH PROTRUDING DETAIL

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
FACADE TYPES / MATERIALS TYPE 4

SCALE
1 : 50 @ A1

SHEET NUMBER
DA4204

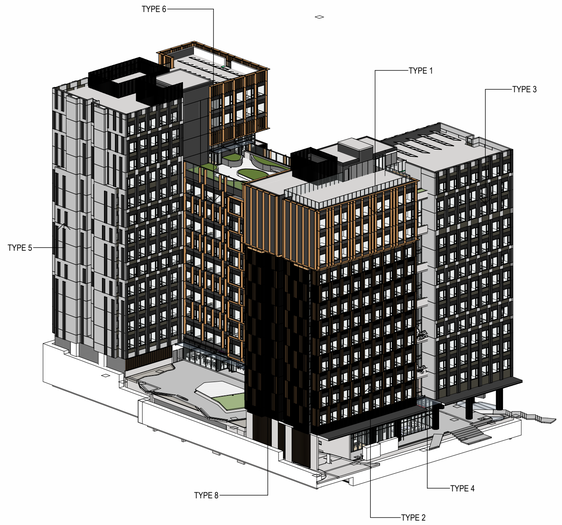
REVISION
7

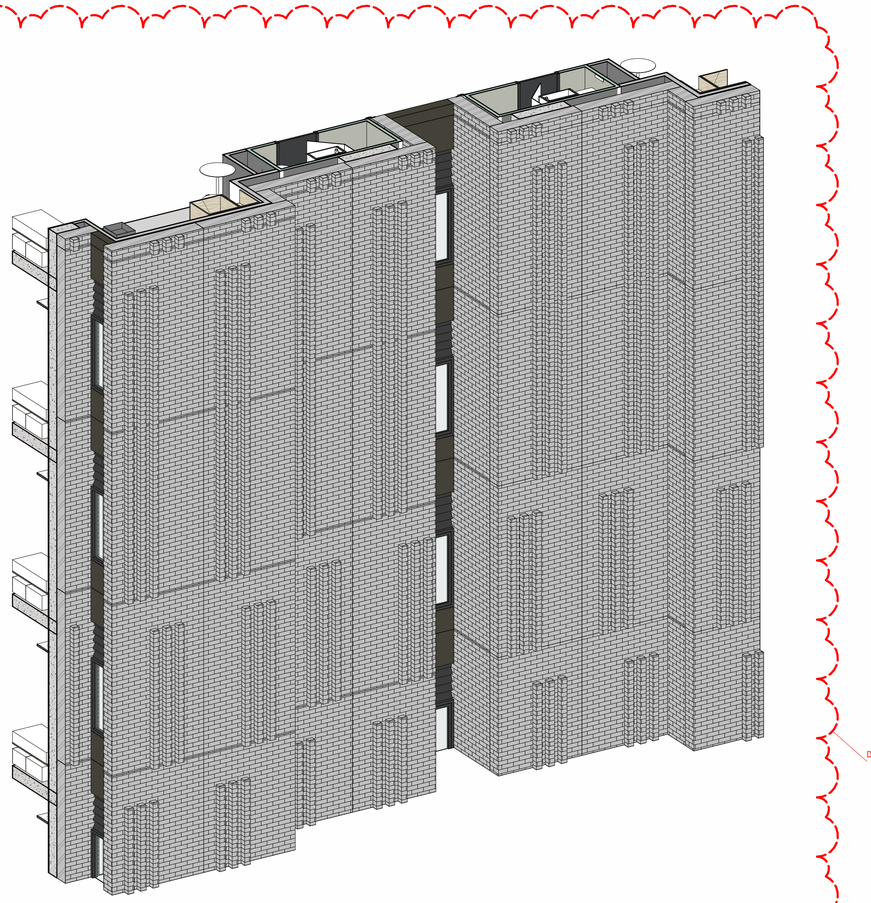
PUBLISH DATE: 6/07/2023 11:18:55 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

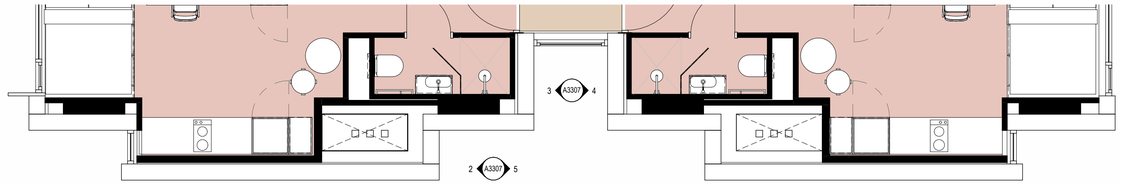
TYPE 5
BRICK END WALL

BRICK CLADDING
TOP HUNG AWNING WINDOW
INTEGRATED MECH VENT LOUVER GRILL DETAIL TO WINDOW HEAD





7
DETAIL OF FEATURE BRICK DETAIL ADDED TO AXOMETRIC DESIGN INTENT





EXTERNAL FINISHES LEGEND

CON01 - CONCRETE FINISH
- EXPOSED CONCRETE BALCONIES
- EXPOSED CONCRETE STRUCTURE
- EXPOSED CONCRETE SOFFIT

MF01 - METAL FINISH
PPC INTERPON 'BRILLIANCE'
- WINDOW FRAME/LOUVRE/
- METAL CLADDING PANEL

MF02, MF03, MF04 - METAL FINISH
- FEATURE METAL BATTEN CLADDING PANELS

MF07 - METAL FINISH
PPC INTERPON 'SANDSTONE'
- SUNSHADE HOOD AND FIN

GL01 - GLAZING CLEAR
- BALUSTRADE
- WINDOWS TOP HUNG AWNING
- WINDOWS FIXED GAZING
- GLASS CANOPY

MF02 - METAL FINISH
PPC INTERPON ' DESERT DREAM'
- FEATURE METAL BATTEN 50X150MM
- FEATURE VERTICAL FINS & FRAMING

MF03 - METAL FINISH
PPC INTERPON 'BRONZE PEARL'
- FEATURE METAL BATTEN 50X40MM

MF04 - METAL FINISH
PPC INTERPON 'COPPER PENNY'
- FEATURE METAL BATTEN 50X75MM

GL02 - GLAZING WITH COLOURBACK
PPC INTERPON 'BRILLIANCE'
- GLASS SPANDREL
- GLASS CLADDING PANEL

MF05 - METAL FINISH
TIMBER LOOK ALUMINIUM BATTENS
- CLADDING TO CIRCULAR COLUMNS

MF06 - METAL FINISH
PPC BLACK
- FEATURE BATTEN TO CANOPY SOFFIT

BR01 - BRICK FINISH
PGH- BRICKS SMOOTH_PEARL-GREY
- FEATURE BRICK CLADDING SYSTEM WITH PROTRUDING DETAIL

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
FACADE TYPES / MATERIALS TYPE 5

SCALE
1 : 50 @ A1

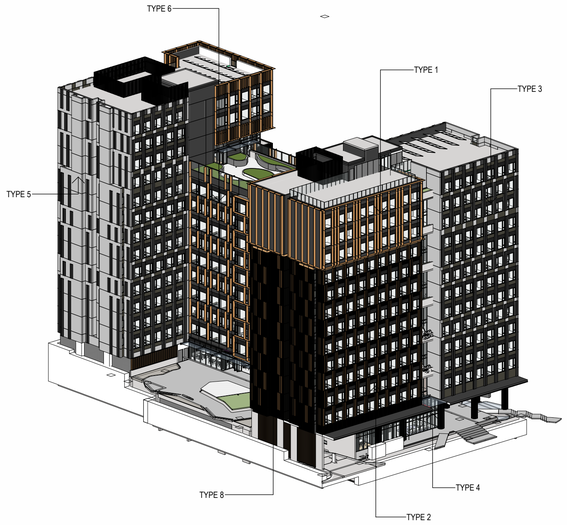
SHEET NUMBER
DA4205

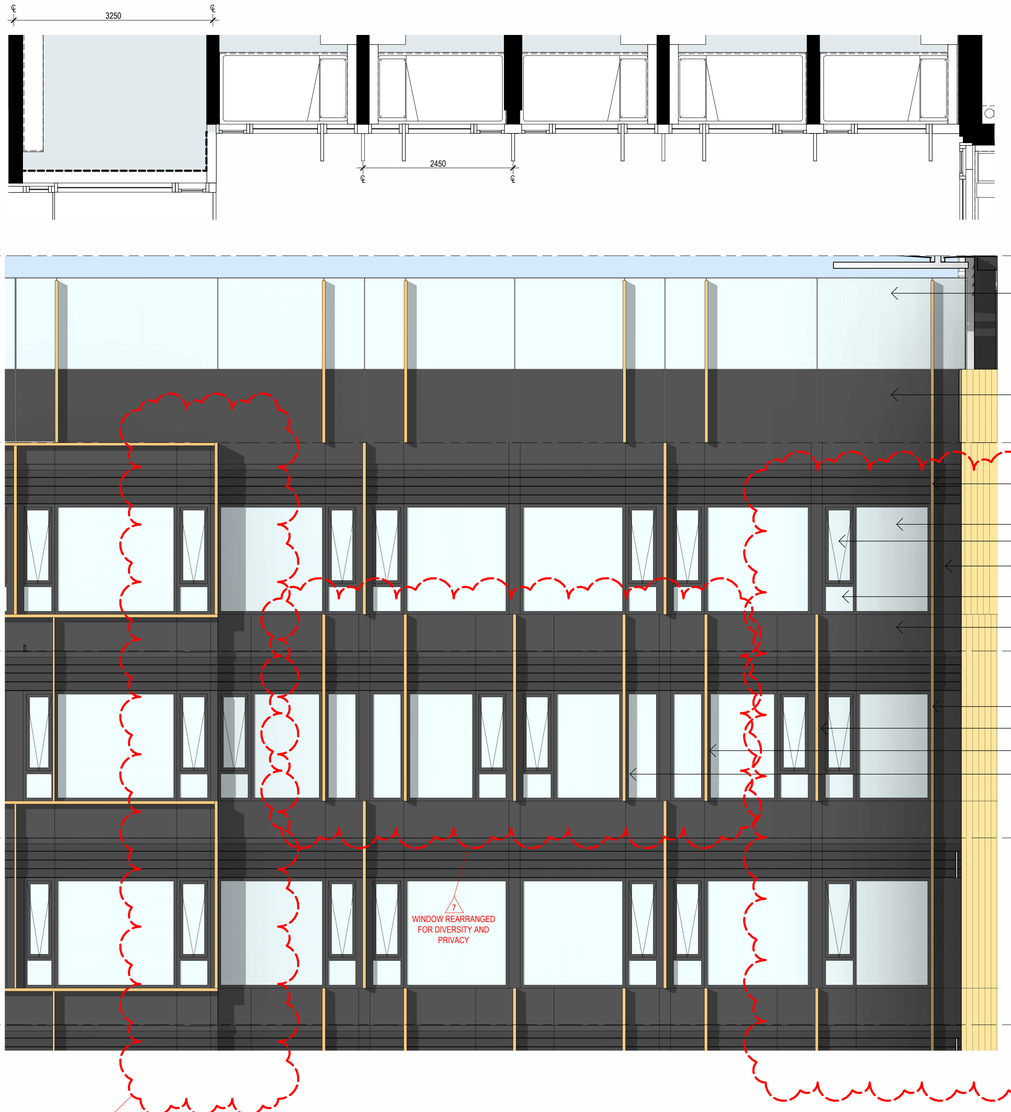
REVISION
7

PUBLISH DATE: 6/07/2023 11:20:15 PM

TYPE 6
CENTRAL CONNECTION WING

CURTAIN WALLING SYSTEM GLAZING
TOP HUNG AWNING WINDOW
INTEGRATED MECH VENT LOUVER GRILL DETAIL TO WINDOW HEAD





EXTERNAL FINISHES LEGEND

CON01 - CONCRETE FINISH
- EXPOSED CONCRETE BALCONIES
- EXPOSED CONCRETE STRUCTURE
- EXPOSED CONCRETE SOFFIT

MF01 - METAL FINISH
PPC INTERPON 'BRILLIANCE'
- WINDOW FRAME/LOUVRE/
- METAL CLADDING PANEL

MF02, MF03, MF04 - METAL FINISH
- FEATURE METAL BATTEN CLADDING PANELS

MF07 - METAL FINISH
PPC INTERPON 'SANDSTONE'
- SUNSHADE HOOD AND FIN

GL01 - GLAZING CLEAR
- BALUSTRADE
- WINDOWS TOP HUNG AWNING
- WINDOWS FIXED GAZING
- GLASS CANOPY

MF02 - METAL FINISH
PPC INTERPON ' DESERT DREAM'
- FEATURE METAL BATTEN 50X150MM
- FEATURE VERTICAL FINS & FRAMING

MF03 - METAL FINISH
PPC INTERPON 'BRONZE PEARL'
- FEATURE METAL BATTEN 50X40MM

MF04 - METAL FINISH
PPC INTERPON 'COPPER PENNY'
- FEATURE METAL BATTEN 50X75MM

GL02 - GLAZING WITH COLOURBACK
PPC INTERPON 'BRILLIANCE'
- GLASS SPANDREL
- GLASS CLADDING PANEL

MF05 - METAL FINISH
TIMBER LOOK ALUMINIUM BATTENS
- CLADDING TO CIRCULAR COLUMNS

MF06 - METAL FINISH
PPC BLACK
- FEATURE BATTEN TO CANOPY SOFFIT

BR01 - BRICK FINISH
PGH- BRICKS SMOOTH_PEARL-GREY
- FEATURE BRICK CLADDING SYSTEM WITH PROTRUDING DETAIL

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND AS AN IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
FACADE TYPES / MATERIALS TYPE 6

SCALE
1 : 50 @ A1

SHEET NUMBER
DA4206

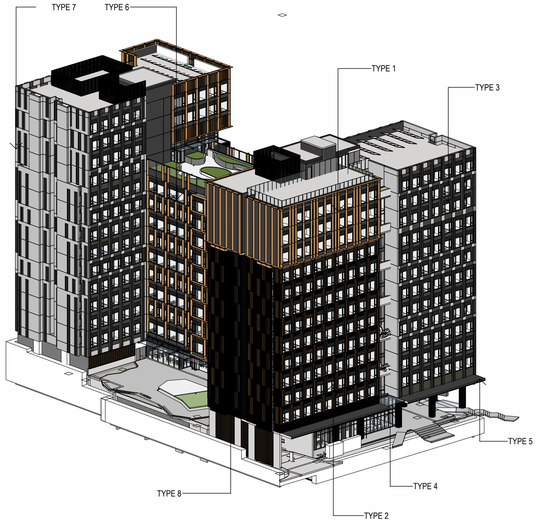
REVISION
7

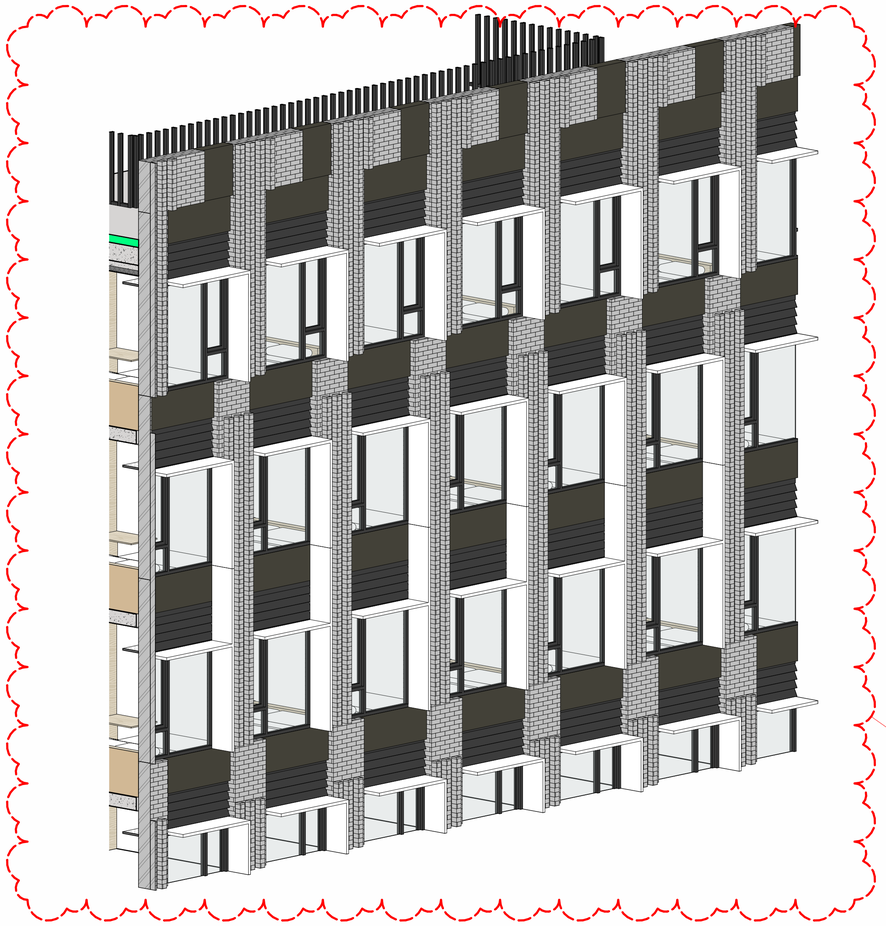
PUBLISH DATE: 6/07/2023 11:27:44 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

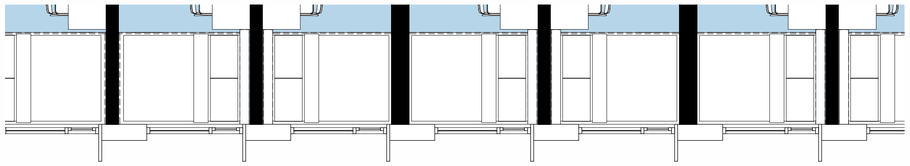
TYPE 7: BRICK CLADDING SYSTEM WITH HOOD
CURTAIN WALLING SYSTEM GLAZING

TOP HUNG AWNING WINDOW - VARIOUS WIDTHS
INTEGRATED MECH VENT LOUVER GRILL DETAIL TO WINDOW HEAD





7 ADDITION OF FEATURE BRICK DETAIL TO AXOMETRIC DESIGN INTENT





EXTERNAL FINISHES LEGEND

CON01 - CONCRETE FINISH
- EXPOSED CONCRETE BALCONIES
- EXPOSED CONCRETE STRUCTURE
- EXPOSED CONCRETE SOFFIT

MF01 - METAL FINISH
PPC INTERPON 'BRILLIANCE'
- WINDOW FRAME/LOUVRE/
- METAL CLADDING PANEL

MF02, MF03, MF04 - METAL FINISH
- FEATURE METAL BATTEN CLADDING PANELS

MF07 - METAL FINISH
PPC INTERPON 'SANDSTONE'
- SUNSHADE HOOD AND FIN

GL01 - GLAZING CLEAR
- BALUSTRADE
- WINDOWS TOP HUNG AWNING
- WINDOWS FIXED GAZING
- GLASS CANOPY

MF02 - METAL FINISH
PPC INTERPON ' DESERT DREAM'
- FEATURE METAL BATTEN 50X150MM
- FEATURE VERTICAL FINS & FRAMING

MF03 - METAL FINISH
PPC INTERPON 'BRONZE PEARL'
- FEATURE METAL BATTEN 50X40MM

MF04 - METAL FINISH
PPC INTERPON 'COPPER PENNY'
- FEATURE METAL BATTEN 50X75MM

GL02 - GLAZING WITH COLOURBACK
PPC INTERPON 'BRILLIANCE'
- GLASS SPANDREL
- GLASS CLADDING PANEL

MF05 - METAL FINISH
TIMBER LOOK ALUMINIUM BATTENS
- CLADDING TO CIRCULAR COLUMNS

MF06 - METAL FINISH
PPC BLACK
- FEATURE BATTEN TO CANOPY SOFFIT

BR01 - BRICK FINISH
PGH- BRICKS SMOOTH_PEARL-GREY
- FEATURE BRICK CLADDING SYSTEM WITH PROTRUDING DETAIL

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
FACADE TYPES / MATERIALS TYPE 7

SCALE
1 : 50 @ A1

SHEET NUMBER
DA4207

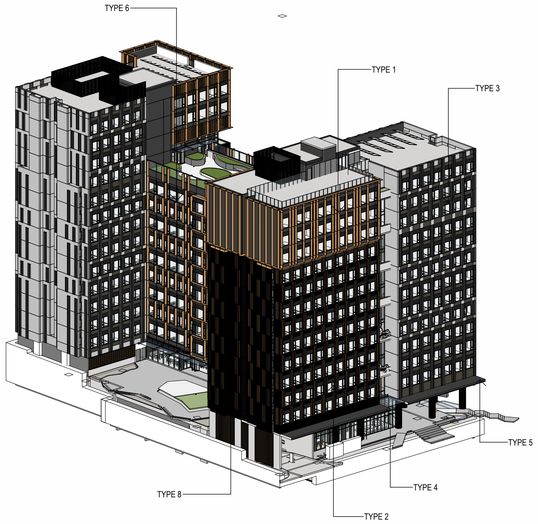
REVISION
7

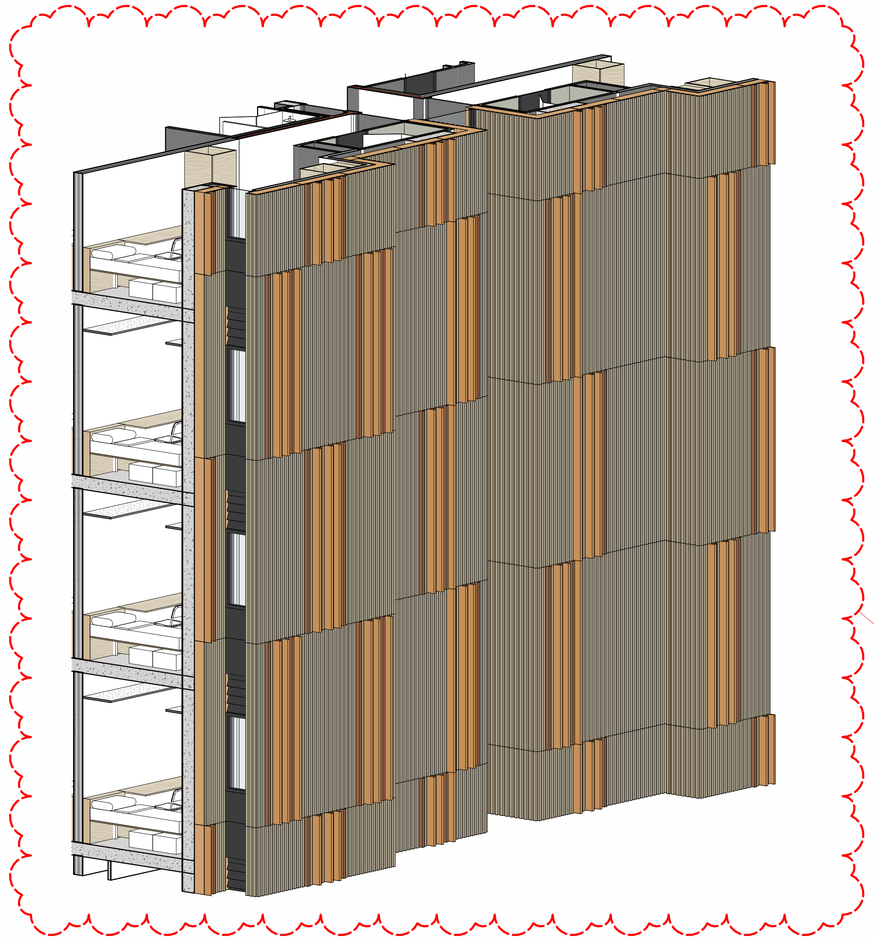
PUBLISH DATE: 4/07/2023 11:23:28 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD AS THE CONTENT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION

TYPE 8
METAL CLADDING END WALL

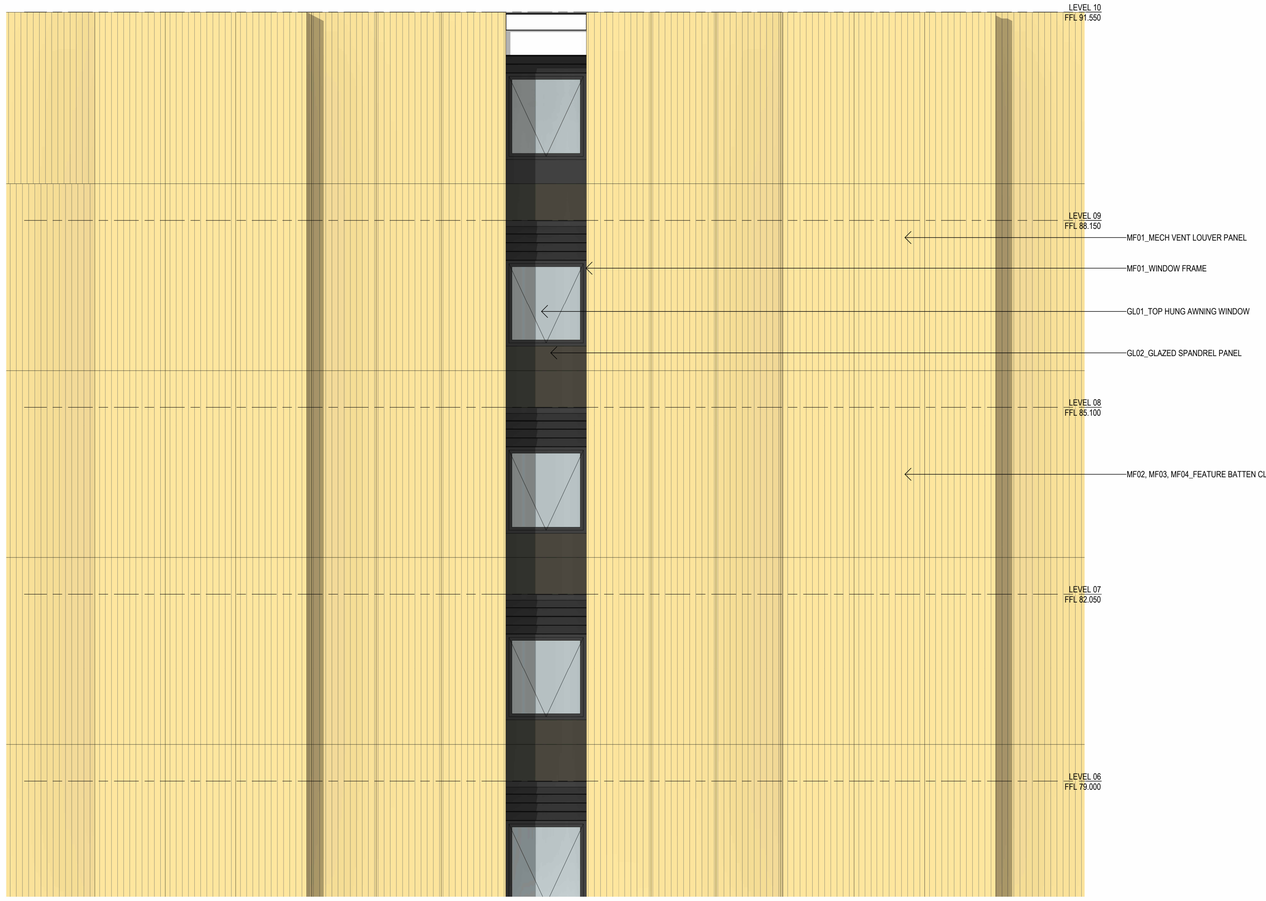
TOP HUNG AWNING WINDOW
INTEGRATED MECH VENT LOUVER GRILL DETAIL TO WINDOW HEAD





7
DETAIL OF FEATURE BATTEN CLADDING PANELS ADDED TO AXOMETRIC DESIGN INTENT





EXTERNAL FINISHES LEGEND

CON01 - CONCRETE FINISH
- EXPOSED CONCRETE BALCONIES
- EXPOSED CONCRETE STRUCTURE
- EXPOSED CONCRETE SOFFIT

MF01 - METAL FINISH
PPC INTERPON 'BRILLIANCE'
- WINDOW FRAME/LOUVRE/
- METAL CLADDING PANEL

MF02, MF03, MF04 - METAL FINISH
- FEATURE METAL BATTEN CLADDING PANELS

MF07 - METAL FINISH
PPC INTERPON 'SANDSTONE'
- SUNSHADE HOOD AND FIN

GL01 - GLAZING CLEAR
- BALUSTRADE
- WINDOWS TOP HUNG AWNING
- WINDOWS FIXED GAZING
- GLASS CANOPY

MF02 - METAL FINISH
PPC INTERPON ' DESERT DREAM'
- FEATURE METAL BATTEN 50X150MM
- FEATURE VERTICAL FINS & FRAMING

MF03 - METAL FINISH
PPC INTERPON 'BRONZE PEARL'
- FEATURE METAL BATTEN 50X40MM

MF04 - METAL FINISH
PPC INTERPON 'COPPER PENNY'
- FEATURE METAL BATTEN 50X75MM

GL02 - GLAZING WITH COLOURBACK
PPC INTERPON 'BRILLIANCE'
- GLASS SPANDREL
- GLASS CLADDING PANEL

MF05 - METAL FINISH
TIMBER LOOK ALUMINIUM BATTENS
- CLADDING TO CIRCULAR COLUMNS

MF06 - METAL FINISH
PPC BLACK
- FEATURE BATTEN TO CANOPY SOFFIT

BR01 - BRICK FINISH
PGH- BRICKS SMOOTH_PEARL-GREY
- FEATURE BRICK CLADDING SYSTEM WITH PROTRUDING DETAIL

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
7	07/07/23	DA AMENDMENT FACADE		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
FACADE TYPES / MATERIALS TYPE 8

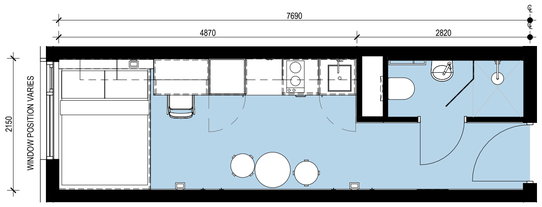
SCALE
1 : 50 @ A1

SHEET NUMBER
DA4208

REVISION
7

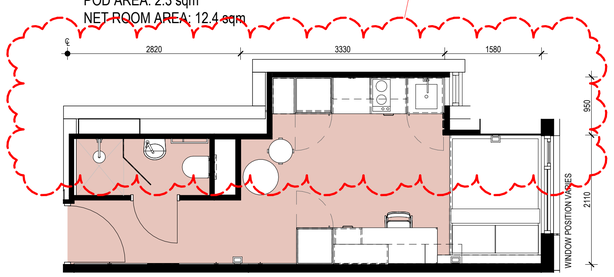
PUBLISH DATE: 18/05/2023 2:00:51 PM

THE CONTENT OF THIS DRAWING MUST BE UNDERSTOOD IN THE CONTEXT OF THE SHEET STATUS AND READ IN CONJUNCTION WITH THE GENERAL NOTES FOUND ON THE COVER PAGE OF THIS DOCUMENT SET. DO NOT USE THE CONTENT OF THIS DRAWING FOR USES THAT ARE NOT CONSISTENT WITH THE ADVISED STATUS. DO NOT SCALE DRAWINGS - USE FIGURED DIMENSIONS ONLY. IF IN DOUBT, CONTACT AJC FOR CLARIFICATION



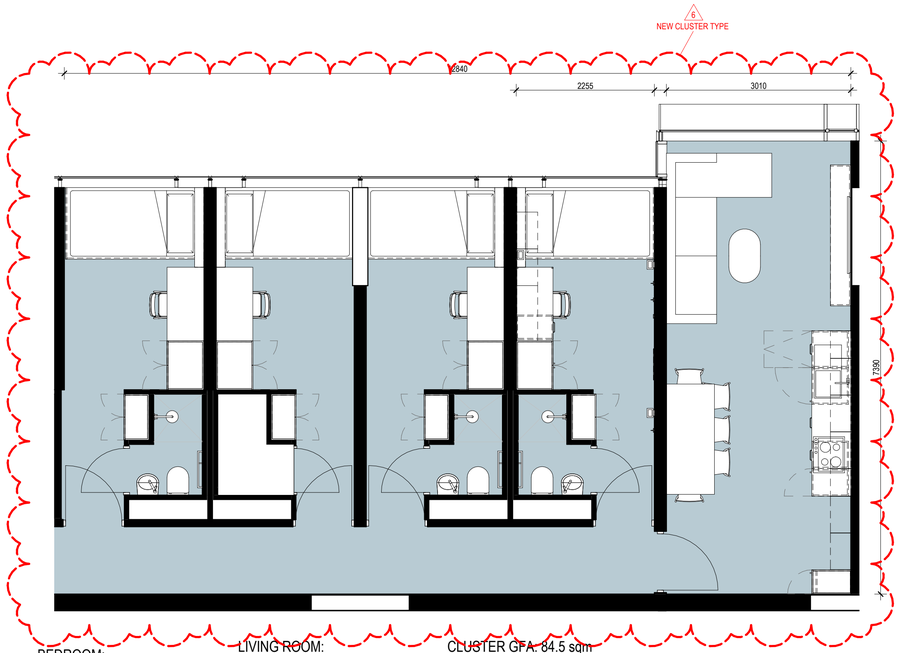
GROSS ROOM AREA: 15.8 sqm
KITCHEN AREA: 1.1 sqm
POD AREA: 2.3 sqm
NET ROOM AREA: 12.4 sqm

1 SOU TYPE A - STANDARD STUDIO
1 : 50



GROSS ROOM AREA: 18.0 sqm
KITCHEN AREA: 1.1 sqm
POD AREA: 2.3 sqm
NET ROOM AREA: 14.6 sqm

2 SOU TYPE B - PREMIUM STUDIO
1 : 50



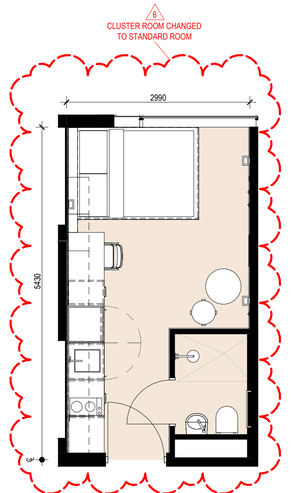
BEDROOM:
GROSS AREA : 11.8 sqm
POD AREA: 1.9 sqm
NET ROOM AREA: 9.9sqm
ROOM SHORT FALL : -2.1 sqm

LIVING ROOM:
GROSS ROOM AREA: 22.2 sqm
KITCHEN AREA: 2.7sqm
NET ROOM AREA: 19.5 sqm

CLUSTER GFA: 84.5 sqm

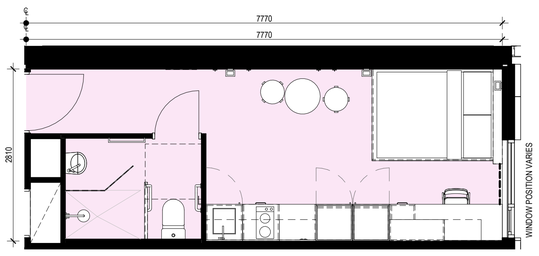
COMMON LIVING AREA
SURPLUS:
ROOM SHORT FALL X4: 8.4 sqm
CLA SURPLUS: 11.1 sqm

8 SOU TYPE G - 4 BED CLUSTER STUDIO
1 : 50



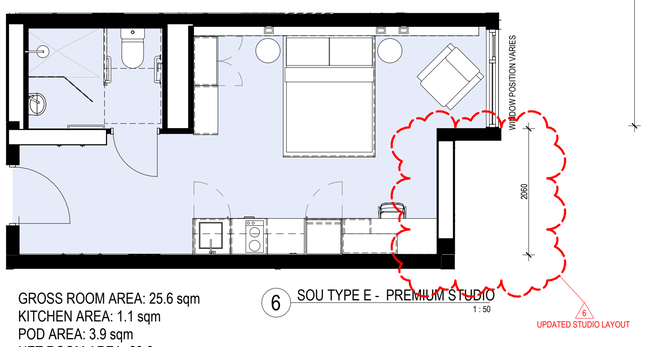
GROSS ROOM AREA: 15.5 sqm
KITCHEN AREA: 1.1 sqm
POD AREA: 2.1 sqm
NET ROOM AREA: 12.3 sqm

7 SOU TYPE C - STANDARD STUDIO WIDE
1 : 50



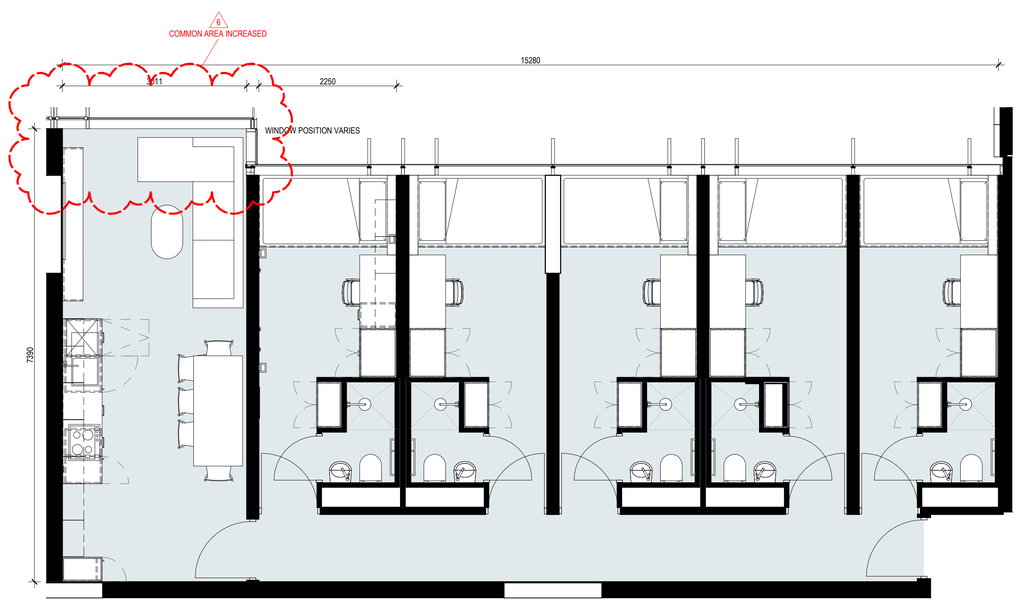
GROSS ROOM AREA: 20.5 sqm
KITCHEN AREA: 1.1 sqm
POD AREA: 3.9 sqm
NET ROOM AREA: 15.5 sqm

3 SOU TYPE D - AMBULANT STUDIO
1 : 50



GROSS ROOM AREA: 25.6 sqm
KITCHEN AREA: 1.1 sqm
POD AREA: 3.9 sqm
NET ROOM AREA: 20.6 sqm

6 SOU TYPE E - PREMIUM STUDIO
1 : 50



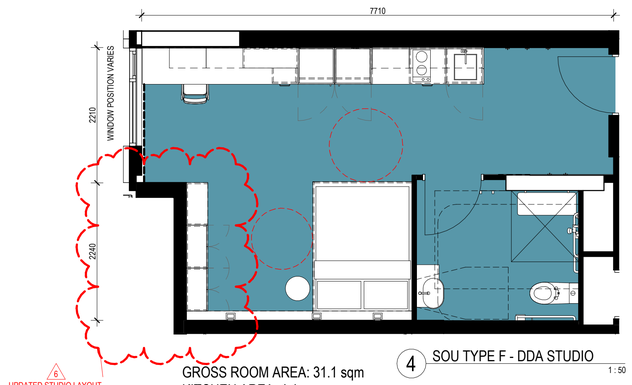
BEDROOM:
GROSS AREA:11.8 sqm
POD AREA: 1.9 sqm
NET ROOM AREA: 9.9 sqm
ROOM SHORT FALL : -2.1 sqm

COMMON AREA:
GROSS ROOM AREA: 22.6 sqm
KITCHEN AREA: 2.7sqm
NET ROOM AREA: 19.9 sqm

TOTAL:
CLUSTER GFA: 100.9 sqm

COMMON LIVING AREA SURPLUS:
ROOM SHORT FALL X5: 10.5 sqm
CLA SURPLUS: 9.4 sqm

5 SOU TYPE H - 5 BED CLUSTER STUDIO
1 : 50



GROSS ROOM AREA: 31.1 sqm
KITCHEN AREA: 1.1 sqm
POD AREA: 6.4 sqm
NET ROOM AREA: 23.6 sqm

4 SOU TYPE F - DDA STUDIO
1 : 50

GADIGAL COUNTRY
79 MYRTLE STREET
CHIPPENDALE NSW, 2008 AUSTRALIA
+61 2 9311 8222 ARCHITECTSAJC.COM
ABN 53 003 782 250

NOMINATED ARCHITECTS:
MICHAEL HEENAN 5264,
BRIAN MARIOTTI 9451,
JOHN WHITTINGHAM 7030

CLIENT
CENTURION PROPERTIES PTE.LTD

PROJECT
Lachlan Ave Student Accommodation

PROJECT NO
21092

LOCATION
17-21 Lachlan Avenue & 136 Herring Road, Macquarie Park, NSW 2113

REV	DATE	DESCRIPTION	DN	AP
6	18/05/23	REVISED DEVELOPMENT APPLICATION		

SHEET STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
FLOOR PLAN _ SOU ROOM TYPOLOGIES

SCALE
1 : 50
@ A1

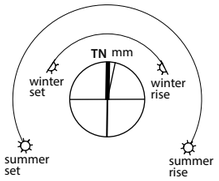
SHEET NUMBER
DA5101

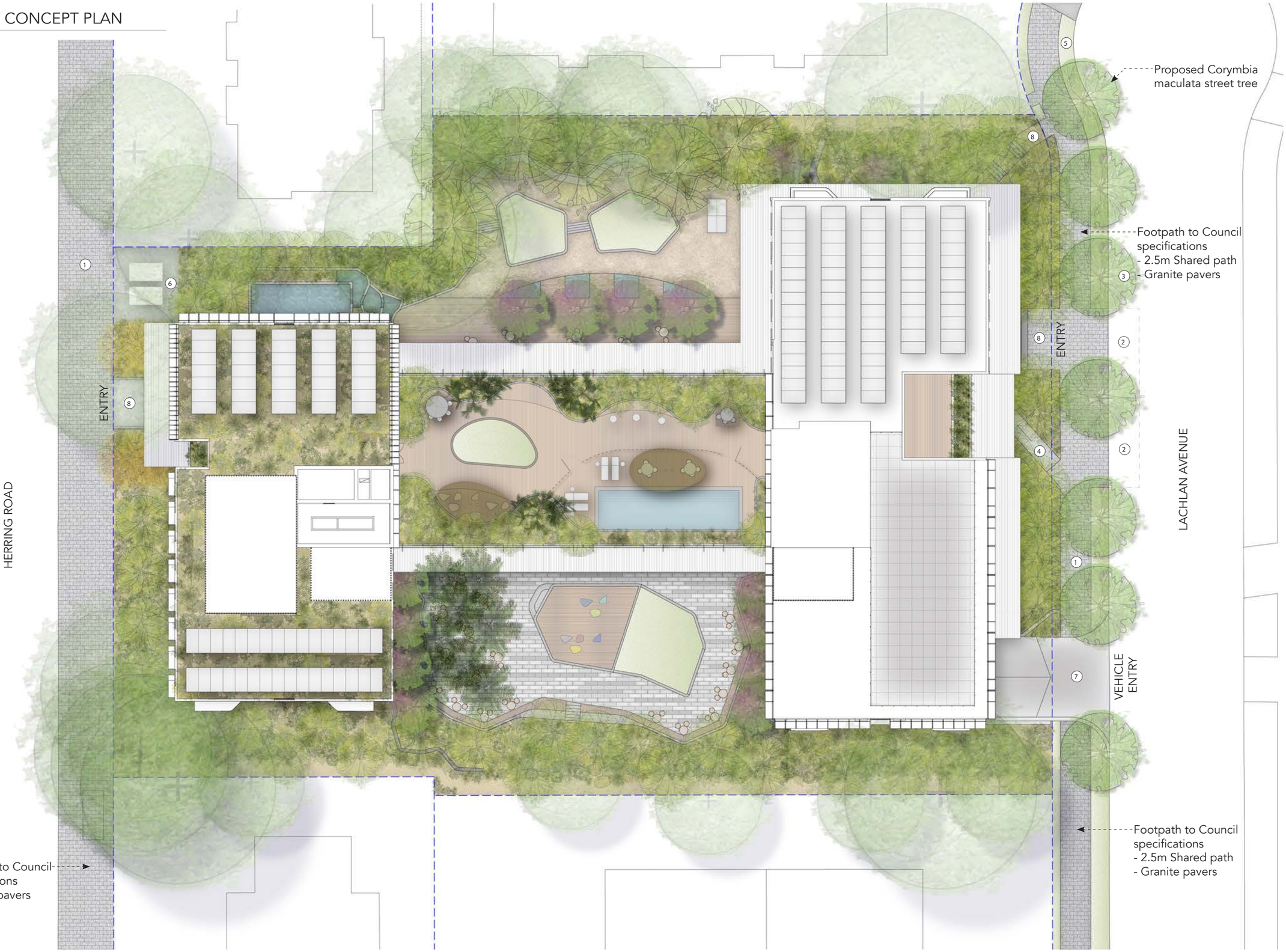
REVISION
6

PUBLIC DOMAIN IMPROVEMENT CONCEPT PLAN

Legend

- Property boundary
- Existing tree to be retained
- Proposed street tree, refer schedule
- (1) 2.5m Granite paving shared path
- (2) Drop off / Pick up parking bay
- (3) Proposed street tree
- (4) 1:14 Accessible entry ramp
- (5) Turf in street verge
- (6) Electrical substation
- (7) Vehicle entry
- (8) Pedestrian entry





LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:300 @ A3

DATE 17.05.2023

DWG NO LA-3

REV -

CLIENT

PUBLIC DOMAIN IMPROVEMENT CONCEPT PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

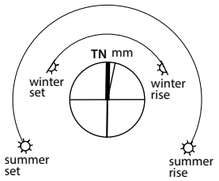
ARCHITECT

Paterson Design Studio
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

LANDSCAPE MASTERPLAN

Legend

- Property boundary
- Existing tree to be retained
- Proposed evergreen tree, refer schedule
- Proposed deciduous tree, refer schedule
- Proposed palm/cycad, refer schedule
- 1 2.5m Granite paving shared path
- 2 Drop off / Pick up parking bay
- 3 Proposed street tree
- 4 1:14 Accessible entry ramp
- 5 Turf in street verge
- 6 Communal courtyard
- 7 Pool terrace
- 8 Electrical substation
- 9 Vehicle entry
- 10 Pedestrian entry
- 1.5m HT Metal slat boundary fence



HERRING ROAD

LACHLAN AVENUE

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:300 @ A3

DATE 17.05.2023

DWG NO LA-4

REV -

LANDSCAPE MASTERPLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

CLIENT

ARCHITECT

Paterson Design Studio
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au
Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

LACHLAN AVENUE ENTRY PLAZA

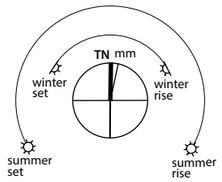


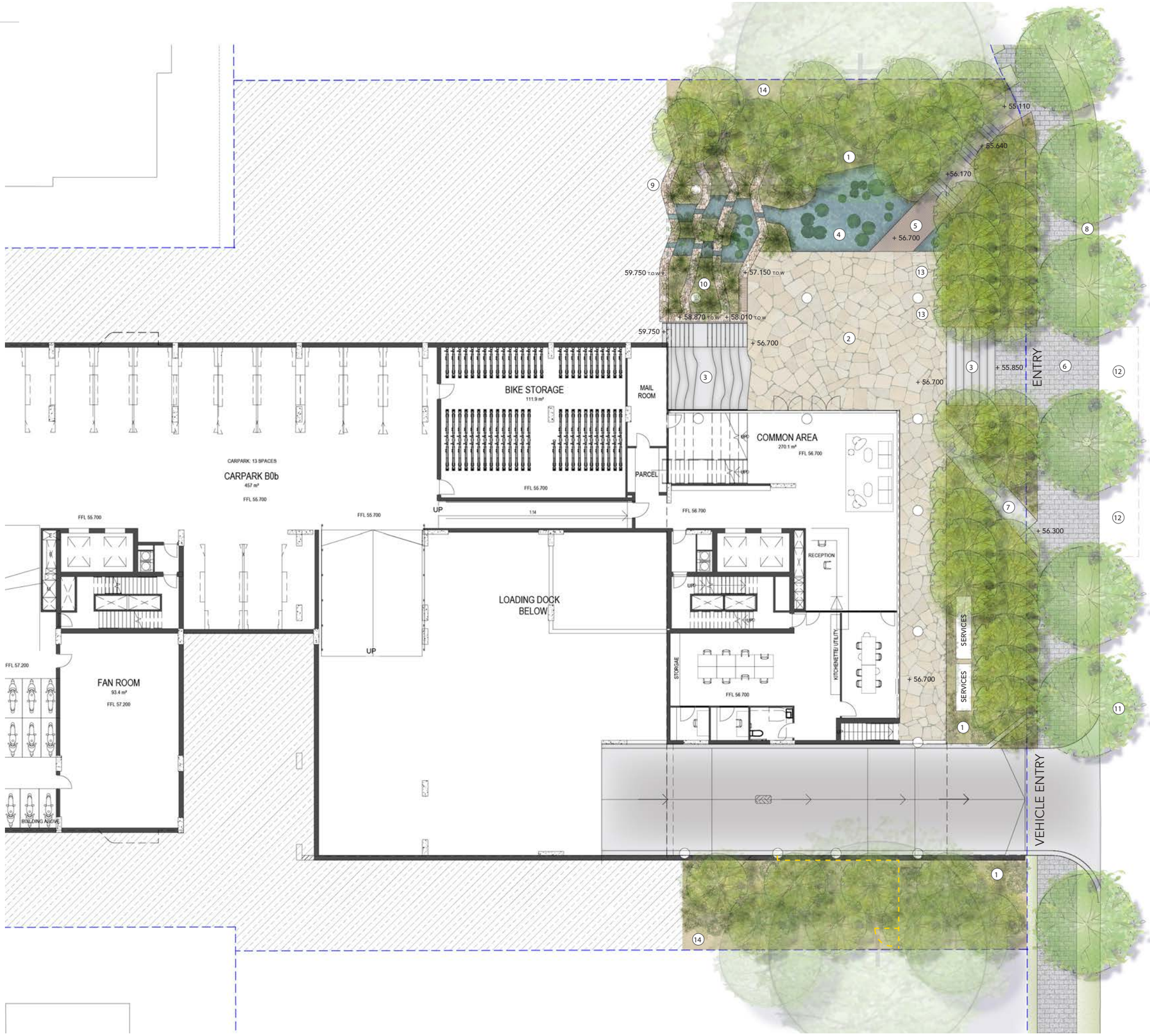



The Lachlan Avenue entry plaza acts as the main entry to the building and therefore has been designed as inviting light filled space that pays homage to the local landscapes and vegetation communities of the surrounding platteaus and gullys. the entry comprises of a large paved gathering space for residents to mingle and meet up with friends. the large entry plaza is surrounded by clean trunked gums and lush ferns to represent the local vegetation communities while allowing for viewlines in and out of the site.

Legend

- Property boundary
- Existing tree to be retained
- Proposed evergreen tree, refer schedule
- (1) Understorey planting, refer schedule
- (2) Large organic sandstone paving
- (3) Concrete paving / stairs
- (4) Water feature
- (5) Timber boardwalk / bridge
- (6) 2.5m Granite paved footpath as per Council details
- (7) Concrete 1:14 accessible ramp
- (8) Turf in verge
- (9) Sandstone gabion retaining wall
- (10) Fern garden, refer schedule
- (11) Proposed street tree
- (12) Drop off / pick up zone
- (13) Visitor bicycle parking
- (14) Maintenance access / fire regress path





0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-5

REV -

CLIENT

LACHLAN AVENUE LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

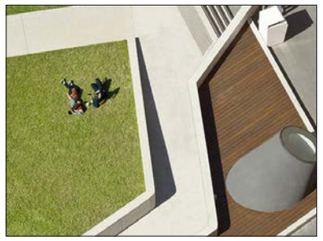
Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

ARCHITECT

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

THE COMMUNAL COURTYARD

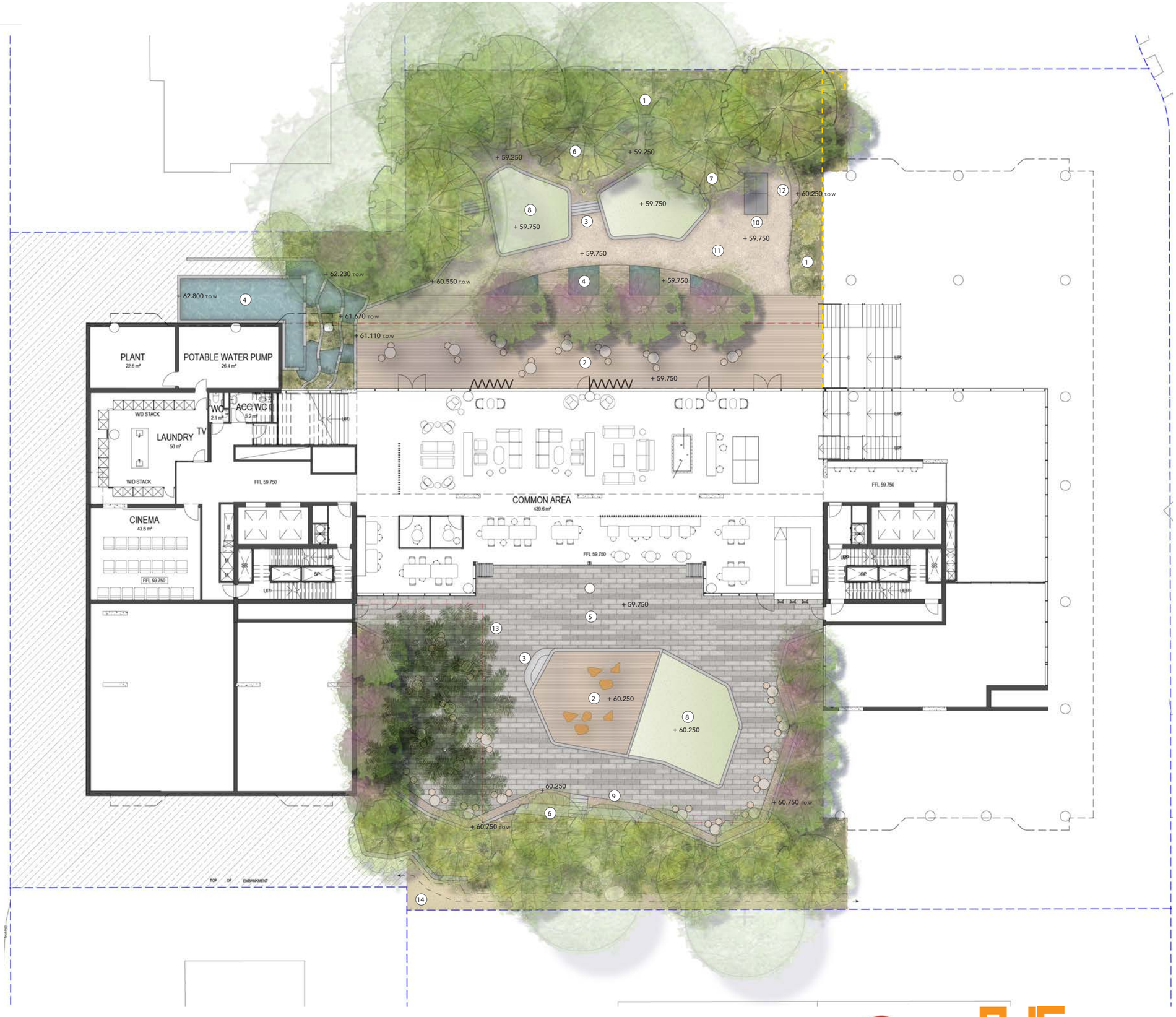





The communal courtyards of the groundfloor act as two differing landscapes that allow for people to interact with others depending on how they might be feeling or in contrast the courtyards will entice you to gravitate towards the space depending on the season or weather. the northern courtyard promotes a more sun filled play space with lawn areas, informal seating and direct access to the entry plaza. The southern courtyard allows for a more intimate space allowing users to gather in small groups or individually to study, escape the heat or to feel sheltered.

Legend

- Property boundary
- Existing tree to be retained
- Proposed evergreen tree, refer schedule
- Proposed palm/cycad, refer schedule
- (1) Understorey planting, refer schedule
- (2) Timber decking
- (3) Concrete stairs
- (4) Water feature
- (5) Limestone paving
- (6) Concrete retaining wall / seat
- (7) 1:14 accessible ramp
- (8) Turf lawn
- (9) Timber bench seat
- (10) Ping pong table
- (11) Crushed deco-granite gravel
- (12) Concrete bench seat
- (13) Palm tree in paving
- (14) Maintenance access / fire regress path
- 1.5m HT Metal slat boundary fence
- Deep soil extents



LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-6

REV -

CLIENT Centurion

ARCHITECT AJC

COMMUNAL COURTYARD LANDSCAPE PLAN

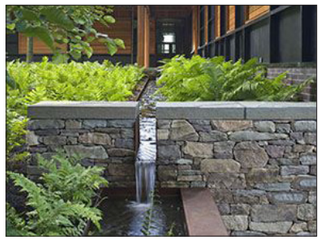
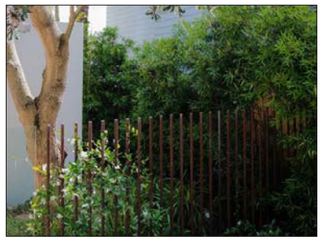
Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

Paterson Design Studio pty ltd
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

HERRING ROAD ENTRY

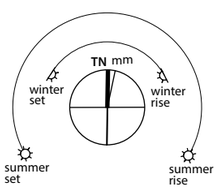


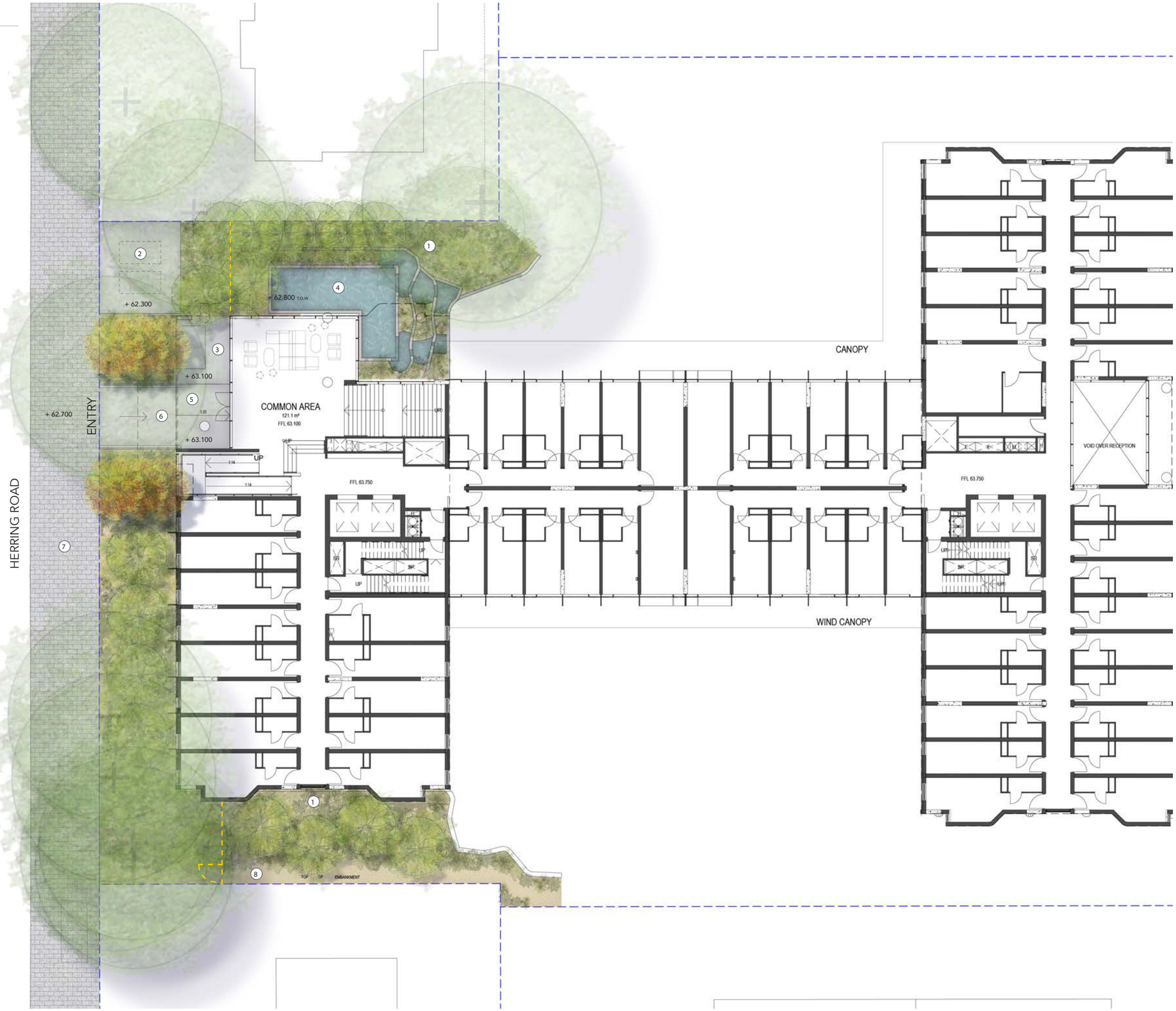



The Herring Road entry landscape looks to soften the building and shield it from pedestrians while using pops of colour to highlight its front entry point. The use of endemic species from the Blue Gum High Forest we aim to create a native and vibrant buffer between the footpath and built form, clean trunks and a vibrant understorey will allow a glimpse of the architecture at certain points.

Legend

- Property boundary
- Existing tree to be retained
- Proposed evergreen tree, refer schedule
- Proposed deciduous tree, refer schedule
- (1) Understorey planting, refer schedule
- (2) Electrical substation
- (3) Visitor bicycle parking
- (4) Water feature
- (5) Concrete paving
- (6) 1:14 accessible ramp
- (7) Granite paved footpath as per Council details
- (8) Maintenance access / fire regress path





0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-7

REV -

CLIENT enturion

ARCHITECT AIC

HERRING ROAD LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

LEVEL 2-8 COMMUNAL TERRACE



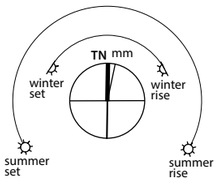


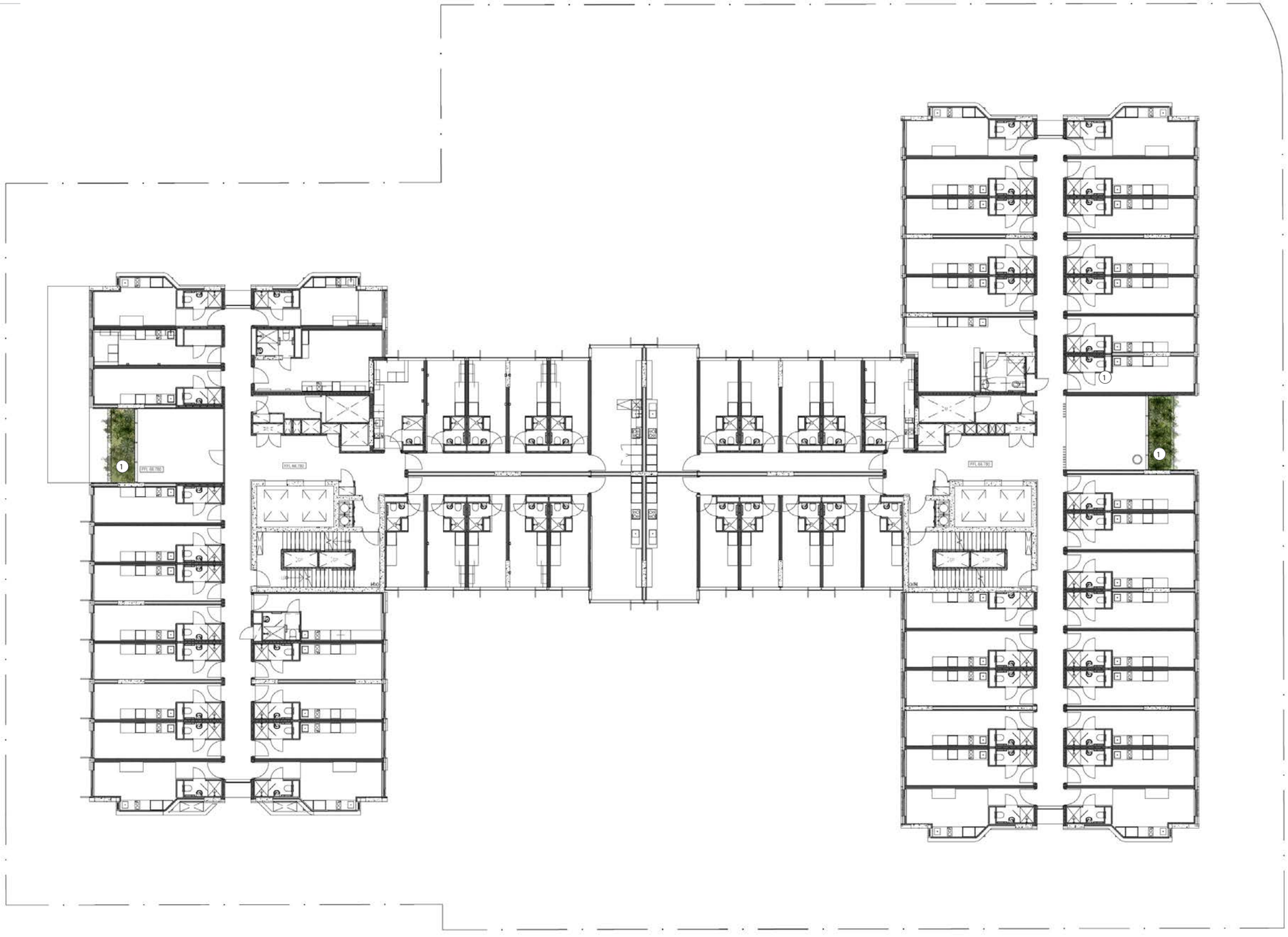

The communal terraces act as a breakout space for residents to access fresh air without having to travel vast distances while also allowing users to access vast views from the National Park in the north to the city views in the south-east. The planter box and use of vibrant perennials helps the space evolve through the seasons as well as softening the exterior masonry walls.

Legend

— — Property boundary

① Understorey planting, refer schedule





0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-8

REV -

LEVEL 2-8 TYPICAL LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

CLIENT enturion

ARCHITECT

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

LEVEL 10 POOL TERRACE

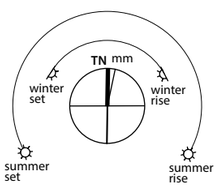


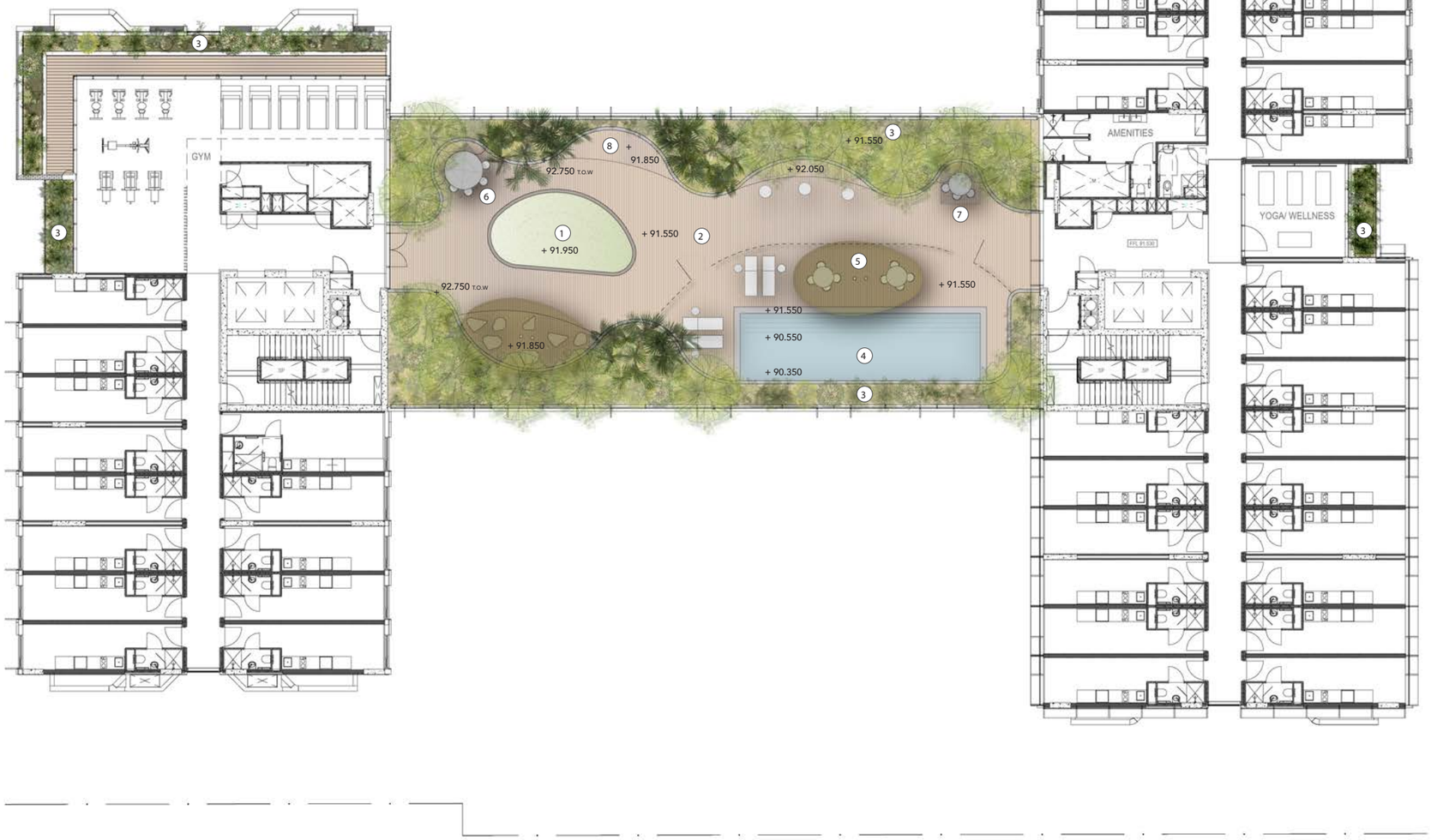



The level 10 pool terrace is designed to transport the residents to a relaxing sun drenched deck. The materials and planting palette takes tones and textures from the coastal sydney landscape. The landscape proposes multiple raised deck and turf areas to elevate sun bathers off the ground to allow for viewlines across the pool deck.

Legend

- Property boundary
- Proposed evergreen tree, refer schedule
- Proposed Screw Pine, refer schedule
- (1) Turf lawn
- (2) Timber decking
- (3) Understorey planting
- (4) Pool
- (5) Bespoke shade shelter
- (6) Communal table
- (7) Shade umbrella
- (8) Raised timber platform
- Concrete planter wall / pool coping
- 1.2m HT Timber slat pool fence





0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-9

REV -

CLIENT enturion

ARCHITECT AJC

LEVEL 10 LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

Paterson Design Studio pty ltd
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

LEVEL 12 COMMUNAL TERRACE





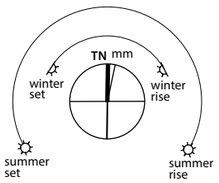

The communal terraces act as a breakout space for residents to access fresh air without having to travel vast distances while also allowing users to access vast views from the National Park in the north to the city views in the south-east. The planter box and use of vibrant perennials helps the space evolve through the seasons as well as softening the exterior masonry walls.

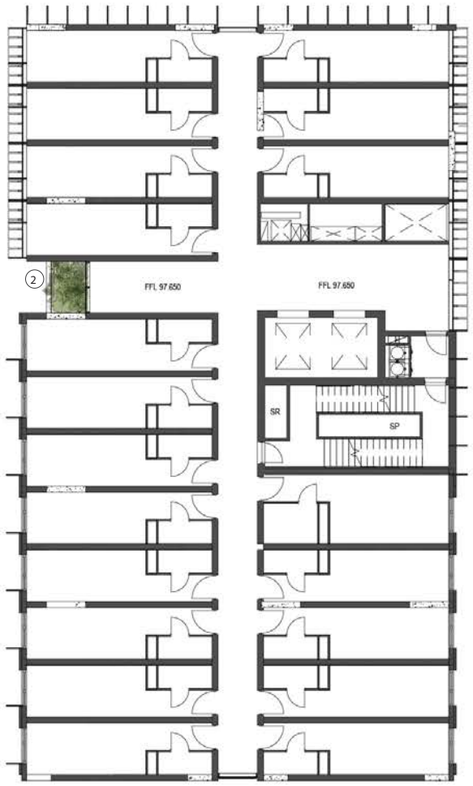
Legend

— — Property boundary

① Timber decking

② Understorey planting, refer schedule







0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-10

REV -

LEVEL 12 LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

CLIENT enturion

ARCHITECT AIC

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

Tel. 02 9452 4911
mob. 0419 501 681

admin@pdsdesign.com.au

LEVEL 13 ROOFTOP

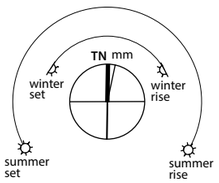


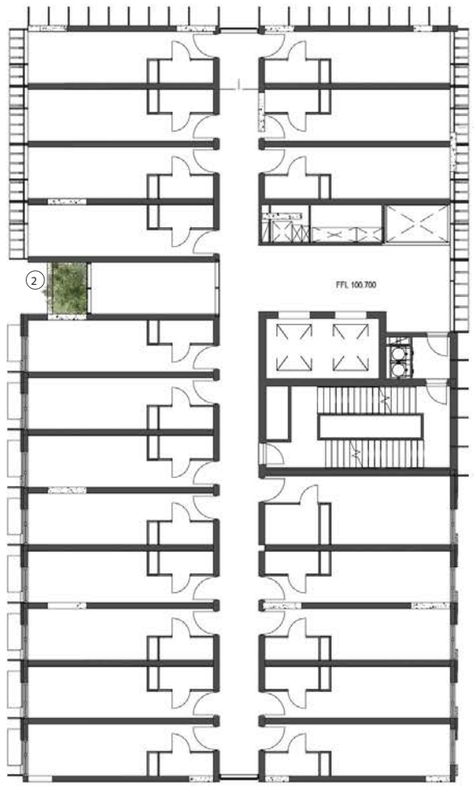


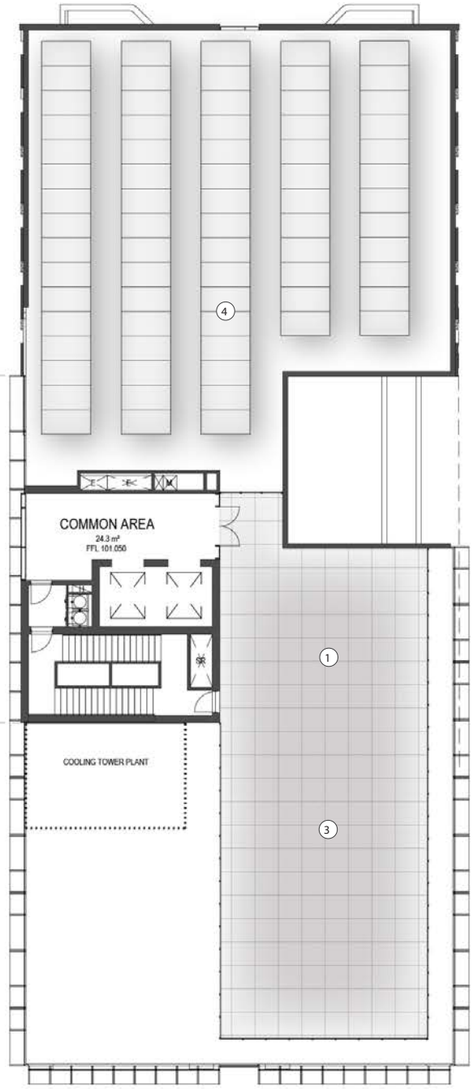

The level 13 roof landscape comprises of two sections, the first being utilised as solar PV's to help with the efficiency of the building and the other being a space for collaboration between the building and adjacent University. The space is proposed as a blank canvas for possible urban or vertical farming to take place and acts as a way to educate those within the building on sustainable practices with the help of the University.

Legend

- Property boundary
- (1) Paving, refer Architects drawings
- (2) Understorey planting, refer schedule
- (3) Rooftop urban farming program
- (4) Solar PV's







0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-11

REV -

CLIENT

ARCHITECT

LEVEL 13 LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

LEVEL 14 ROOFTOP





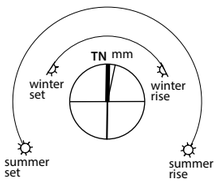

The level 14 roof landscape acts as a major service area for the building housing many plant operations essential for the building from PV's to water tanks etc. The roof has been designed to integrate the plant equipment into a large green roof with native grasses and groundcovers that will reduce urban heat island effect in the area.

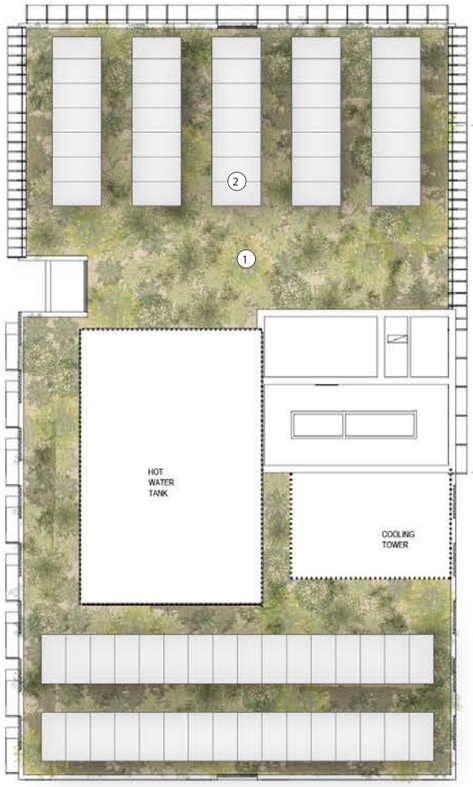
Legend

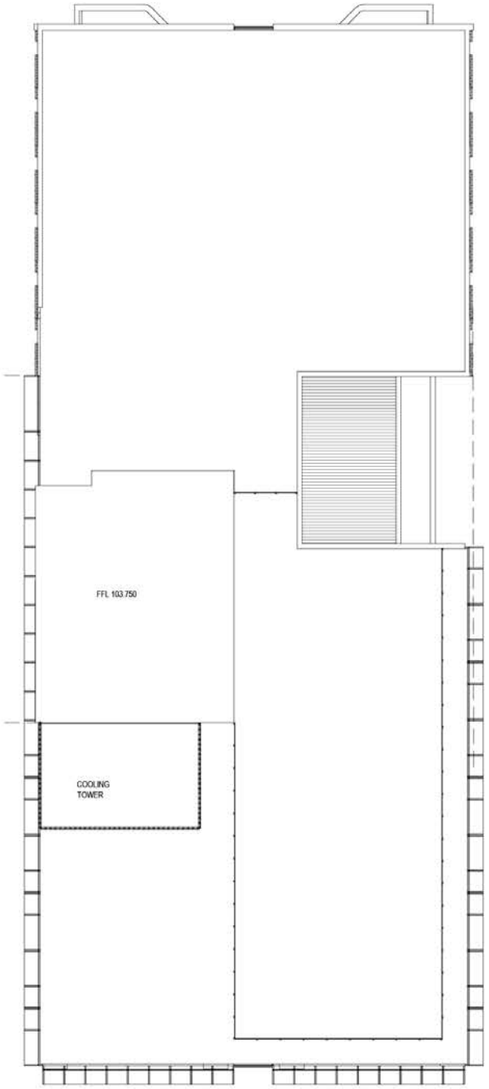
— — Property boundary

① Rooftop planting, native grasses and groundcovers

② Solar PV's







0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-12

REV -

CLIENT

ARCHITECT

LEVEL 14 LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

Paterson Design Studio
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au



LACHLAN AVENUE ENTRY PLAZA LANDSCAPE SECTION A-A

0 1 2 3 4 5 6 7 8 9 10 11 12m

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:200

LANDSCAPE SECTIONS

DATE 17.05.2023

DWG NO LA-13

REV -

CLIENT enturion

ARCHITECT

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

COMMUNAL COURTYARD LANDSCAPE SECTION B-B

0 1 2 3 4 5 6 7 8 9 10 11 12m



LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:200

LANDSCAPE SECTIONS

DATE 17.05.2023

DWG NO LA-14

REV -

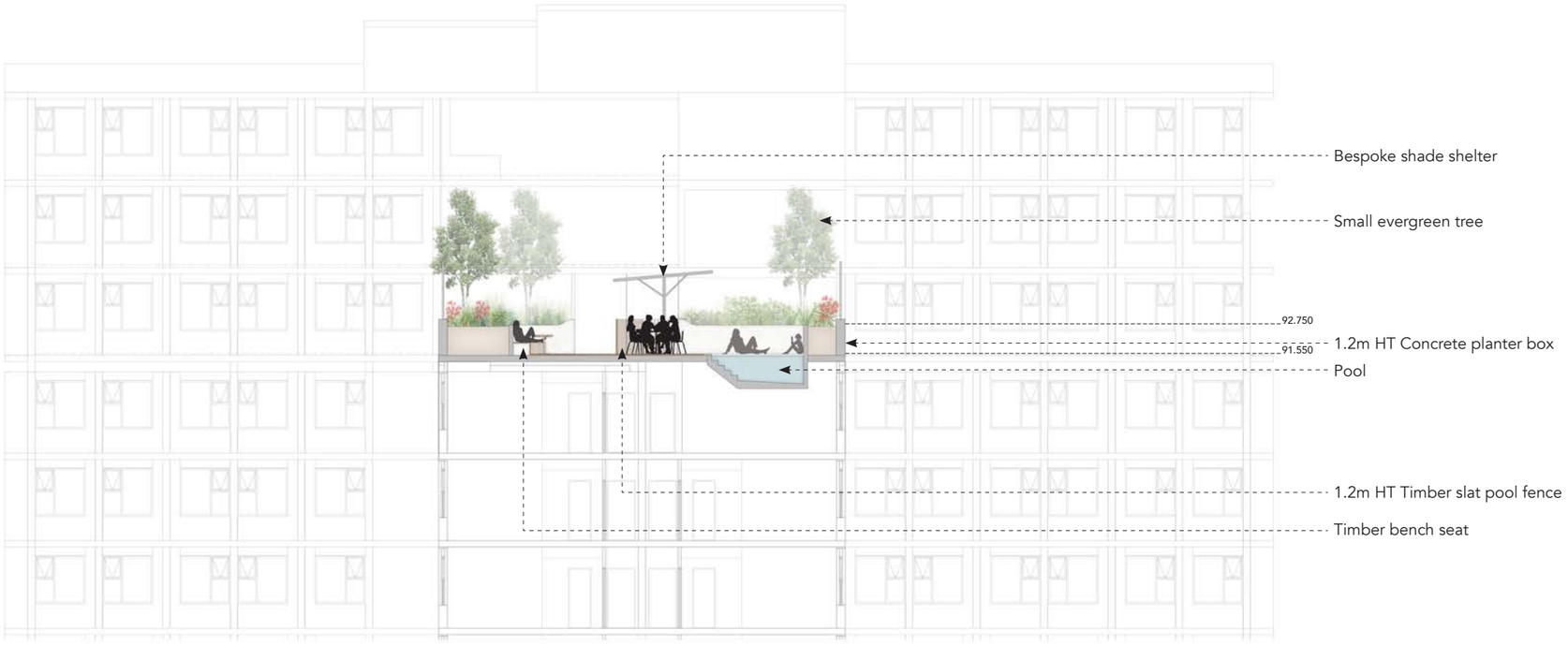
CLIENT enturion

ARCHITECT

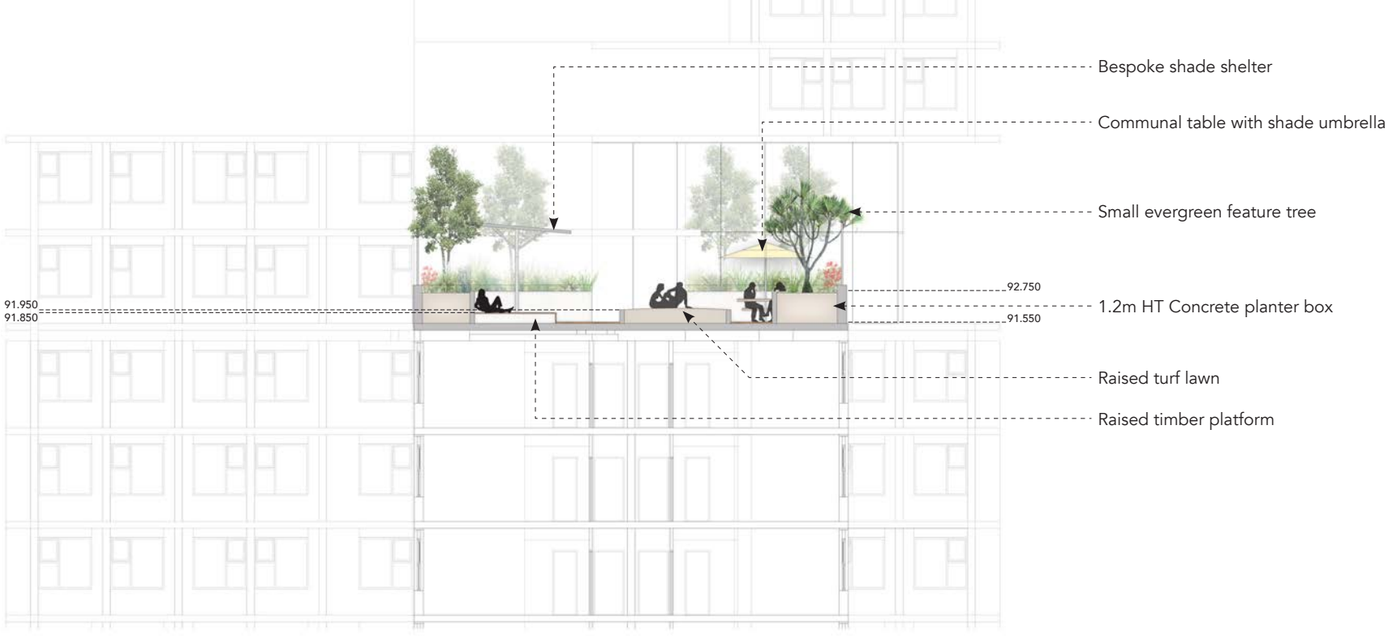
Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au



LEVEL 10 POOL TERRACE LANDSCAPE SECTION C-C



LEVEL 10 POOL TERRACE LANDSCAPE SECTION D-D

0 1 2 3 4 5 6 7 8 9 10 11 12m

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:200

DATE 17.05.2023

DWG NO LA-15

REV -

LANDSCAPE SECTIONS

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

CLIENT enturion

ARCHITECT

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

LACHLAN AVENUE ENTRY PLAZA PLANTING PLAN

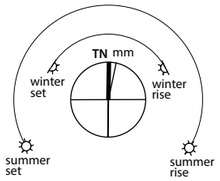
Legend

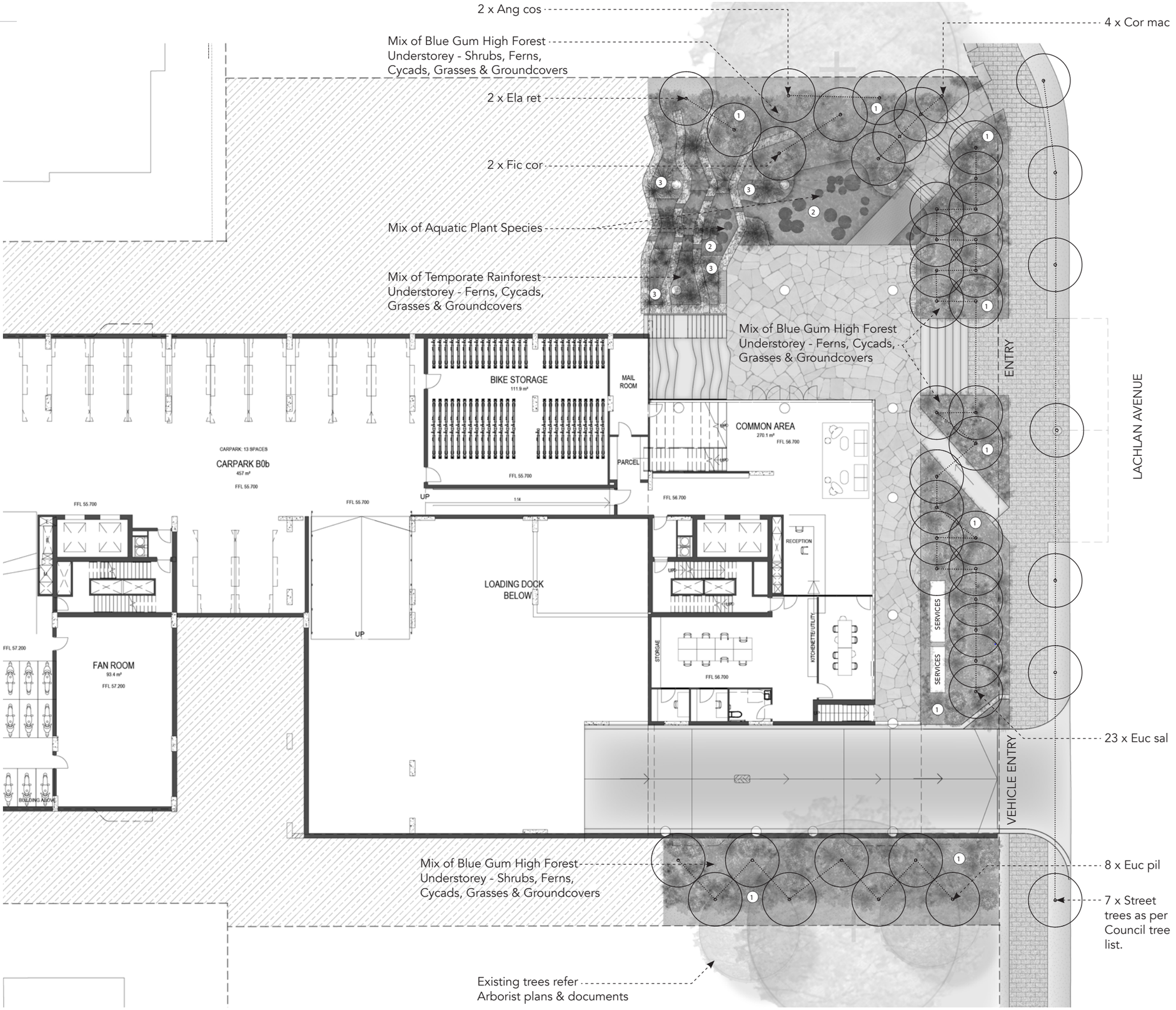
- Property boundary
- Proposed Tree, Refer Schedule
- (1) Blue Gum High Forest Understorey planting, Refer Schedule

  Density:
  - Shrubs: 1 per 2m2
  - Ferns/Cycads: 1 per 2m2
  - Tufted Grasses: 4 per m2
  - Groundcovers: 1 per m2
- (2) Water Feature Planting/Aquatic Plants

  Density:
  Aquatic Plants: 1 per2m2
- (3) Temporate Rainforest Understorey, Refer Schedule

  Density:
  - Ferns/Cycads: 1 per m2
  - Tufted Grasses: 4 per m2
  - Groundcovers: 1 per m2





0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-16

REV -

CLIENT Lachlan Avenue Pty Ltd

LACHLAN AVENUE LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

ARCHITECT

Paterson Design Studio Pty Ltd
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au
Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

THE COMMUNAL COURTYARD PLANTING PLAN

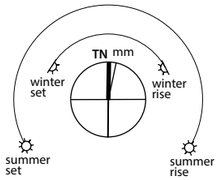
Legend

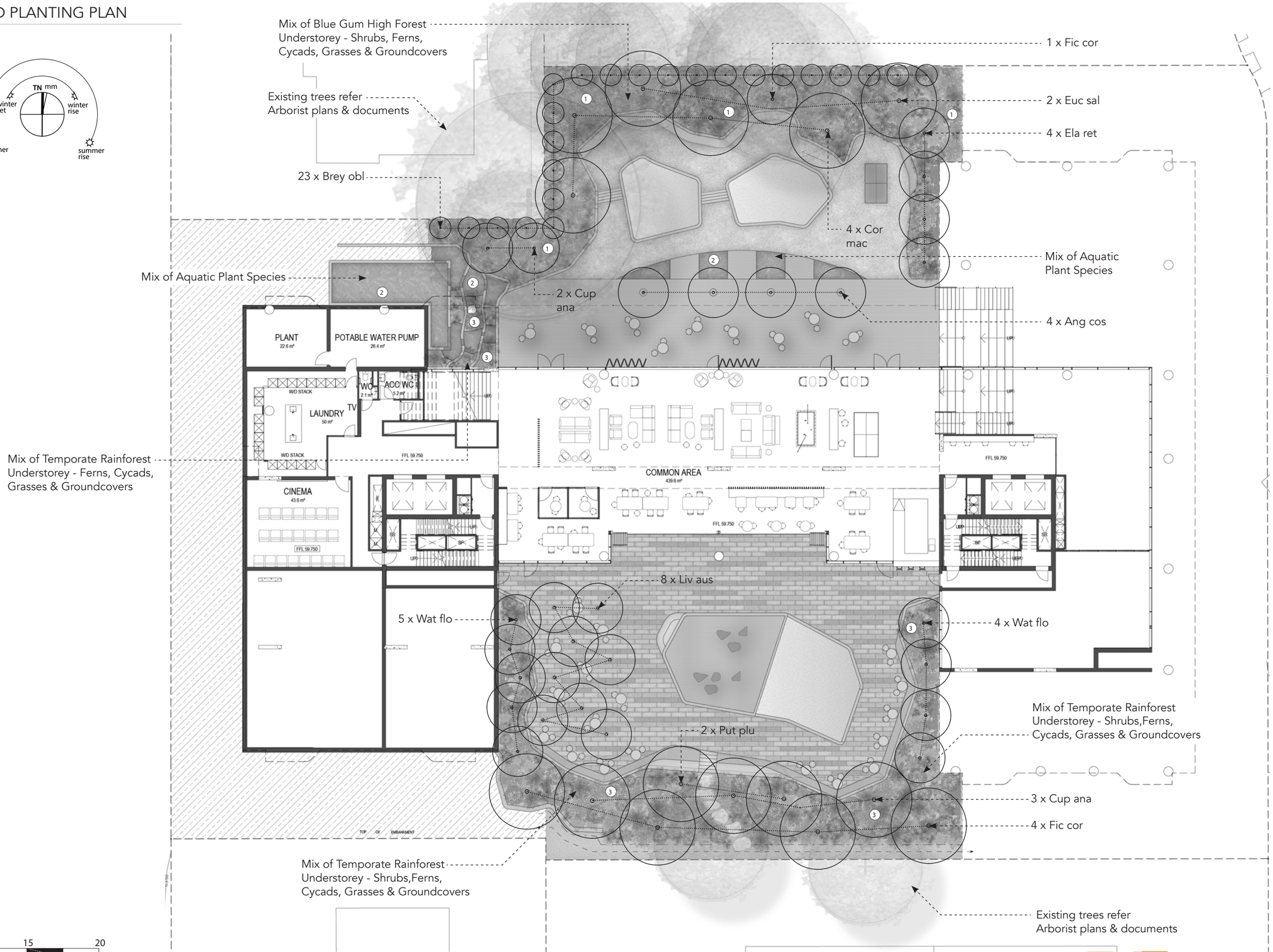
- Property boundary
- Proposed Tree, Refer Schedule
- (1) Blue Gum High Forest Understorey planting, Refer Schedule

  Density:
  - Shrubs: 1 per 2m2
  - Ferns/Cycads: 1 per 2m2
  - Tufted Grasses: 4 per m2
  - Groundcovers: 1 per m2
- (2) Water Feature Planting/Aquatic Plants

  Density:
  Aquatic Plants: 1 per2m2
- (3) Temporate Rainforest Understorey, Refer Schedule

  Density:
  - Shrubs: 1 per 2m2
  - Ferns/Cycads: 1 per m2
  - Tufted Grasses: 4 per m2
  - Groundcovers: 1 per m2





0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-17

REV -

CLIENT

ARCHITECT

COMMUNAL COURTYARD LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

HERRING ROAD ENTRY PLANTING PLAN

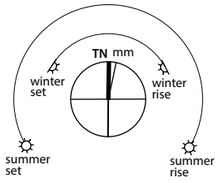
Legend

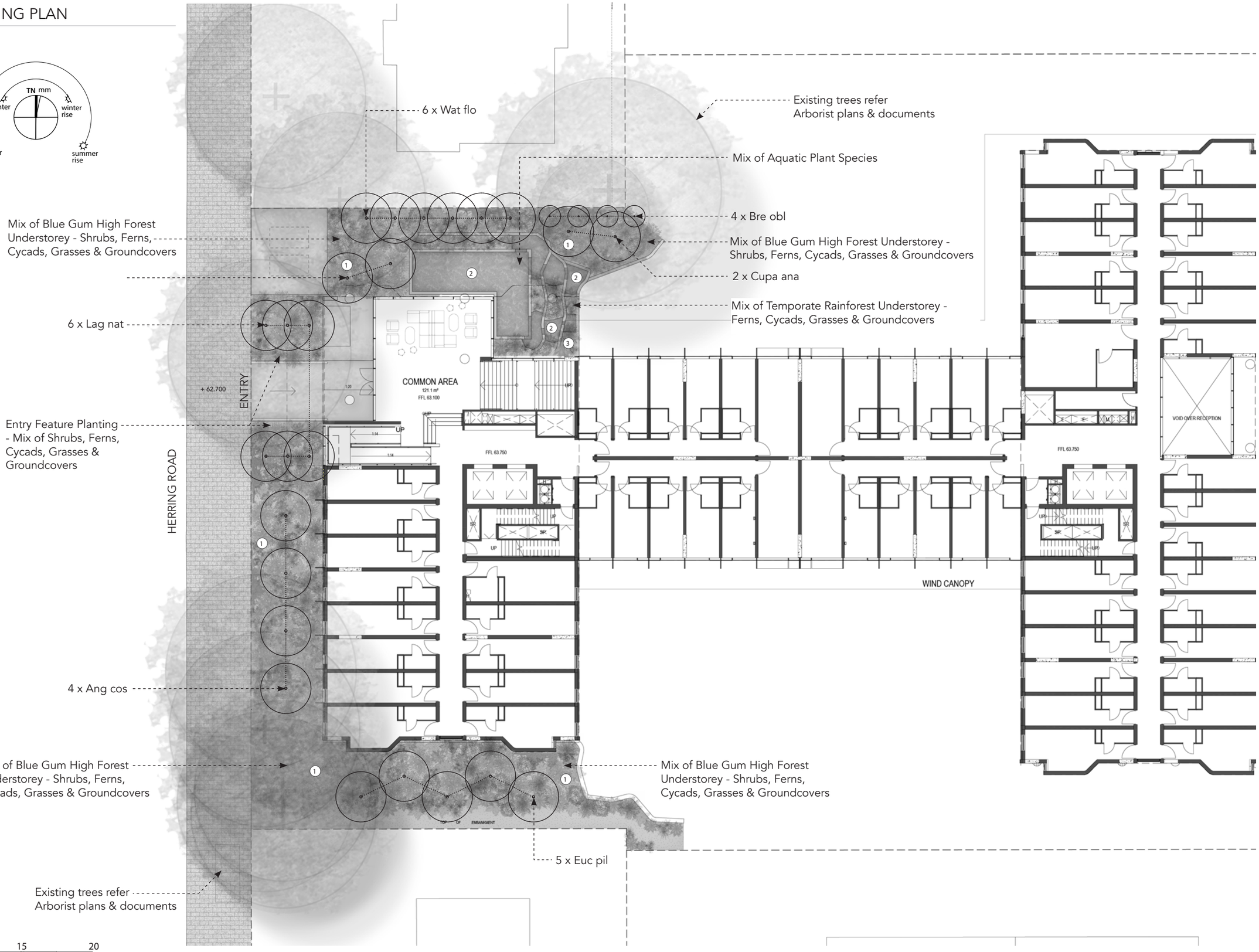
- Property boundary
- Proposed Tree, Refer Schedule
- (1) Blue Gum High Forest Understorey planting, Refer Schedule

  Density:
  - Shrubs: 1 per 2m2
  - Ferns/Cycads: 1 per 2m2
  - Tufted Grasses: 4 per m2
  - Groundcovers: 1 per m2
- (2) Water Feature Planting/Aquatic Plants

  Density:
  Aquatic Plants: 1 per2m2
- (3) Temporate Rainforest Understorey, Refer Schedule

  Density:
  - Shrubs: 1 per 2m2
  - Ferns/Cycads: 1 per m2
  - Tufted Grasses: 4 per m2
  - Groundcovers: 1 per m2





0 5 10 15 20

LACHLAN AVE STUDENT ACCOMODATION

SCALE 1:250 @ A3

DATE 17.05.2023

DWG NO LA-18

REV -

CLIENT enturion

ARCHITECT AJC

HERRING ROAD LANDSCAPE PLAN

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au

LACHLAN AVENUE STUDENT ACCOMODATION - PLANT SCHEDULE

CODE	BOTANTICAL NAME	POT SIZE	DENSITY	HEIGHT @ PLANTING	HEIGHT @ MATURITY	CALIPER	STAKING	TOTAL
ENTRY STREET TREES								
Cor mac	Corymbia maculata	400L	as shown	3.5m	45-60m	40mm	2x 50x50x1800mm KDHW posts	4
CANOPY TREES								
Ang cos *	*Angophora costata*	100L	as shown	2.5m	15-25m	40mm	2x 50x50x1800mm KDHW posts	10
Cup ana	*Cupaniopsis anacardioides*	100L	as shown	2.5m	18-10m	40mm	2x 50x50x1800mm KDHW posts	7
Cor mac	*Corymbia maculata*	100L	as shown	2.5m	45-60m	40mm	2x 50x50x1800mm KDHW posts	4
Euc sal *	*Eucalyptus saligna*	100L	as shown	2.5m	35-50m	40mm	2x 50x50x1800mm KDHW posts	25
Euc pil *	*Eucalyptus pilularis*	100L	as shown	2.5m	25-30m	40mm	2x 50x50x1800mm KDHW posts	13
Ela ret *	*Elaeocarpus reticulatus*	100L	as shown	2.5m	3-15m	40mm	2x 50x50x1800mm KDHW posts	6
Wat flo	*Waterhousea floribunda*	100L	as shown	2.5m	6-15m	40mm	2x 50x50x1800mm KDHW posts	15
FEATURE TREES								
Fic cor *	*Ficus coronata*	100L	as shown	2.5m	6-15m	40mm	2x 50x50x1800mm KDHW posts	8
Lag nat	*Lagerstroemia indica x fauriei*	400L	as shown	2.5m	4-6m	40mm	2x 50x50x1800mm KDHW posts	6
Liv aus *	*Livistona australis*	Ex-ground	as shown	4-5m	15-25m	n/a	n/a	8
Pan tec	*Pandanus tectorius*	Ex-ground	as shown	3-4m	5-6m	n/a	n/a	3
Put plu	*Puttaraksa plumeria*	Ex-ground	as shown	2-3m	5-6m	n/a	n/a	2
PALMS,FERNS & CYCADS								
Adi aet *	*Adiantum aethiopicum*	140mm Pot	as shown	n/a	n/a	n/a	n/a	n/a
Asp aus *	*Asplenium australasicum*	300mm Pot	as shown	n/a	n/a	n/a	n/a	n/a
Asp fla *	*Asplenium flabellifolium*	140mm Pot	as shown	n/a	n/a	n/a	n/a	n/a
Cal dub *	*Calochlaena dubia*	140mm Pot	as shown	n/a	n/a	n/a	n/a	n/a
Dav sol	*Davallia solida*	140mm Pot	as shown	n/a	n/a	n/a	n/a	n/a
Dic ant	*Dicksonia antarctica*	140mm Pot	as shown	n/a	n/a	n/a	n/a	n/a
Doo asp *	*Doodia aspera*	140mm Pot	as shown	n/a	n/a	n/a	n/a	n/a
Mac com *	*Macrozamia communis*	300mm Pot	as shown	n/a	n/a	n/a	n/a	n/a
SHRUBS								
Bre obl *	*Breynia oblongifolia*	300mm Pot	1 per 2m2	n/a	2-4m	n/a	n/a	27
Dav uli	*Daviesia ulicifolia*	300mm Pot	1 per 2m2	n/a	1-2.5m	n/a	n/a	n/a
Dil sie	*Dillwynia sieberi*	300mm Pot	1 per 2m2	n/a	1-2m	n/a	n/a	n/a
Eri deb	*Erimophila debilis*	300mm Pot	1 per 2m2	n/a	1.5-2m	n/a	n/a	n/a
Ind aus	*Indigofera australis*	300mm Pot	1 per 2m2	n/a	1.5-2.5m	n/a	n/a	n/a
Per lin	*Persoonia linearis*	300mm Pot	1 per 2m2	n/a	3-4m	n/a	n/a	n/a
Pol sam	*Polyscias sambucifolia*	300mm Pot	1 per 2m2	n/a	4-5m	n/a	n/a	n/a
NATIVE TUFTED GRASSES								
Car app	*Carex appressa*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
Dia lon	*Dianella longifolia*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
Dia rev *	*Dianella revoluta*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
Iso nod	*Isolepis nodosa*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
Jun usi	*Juncus usitatua*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
Lom lon *	*Lomandra longifolia*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
Lom tan	*Lomandra tanika*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
Pan sim	*Panicum simile*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
Poa lab	*Poa labillardieri*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
The aus	*Themeda australis*	Hiko/tube	4 per m2	n/a	n/a	n/a	n/a	n/a
GROUNDCOVERS								
Dic rep	*Dichondra repens*	Hiko/tube	1 per m2	n/a	n/a	n/a	n/a	n/a
Gly cla	*Glycine clandestina*	Hiko/tube	1 per m2	n/a	n/a	n/a	n/a	n/a
Gly tab *	*Glycine tabacina*	Hiko/tube	1 per m2	n/a	n/a	n/a	n/a	n/a
Lob pur *	*Lobelia purpurescens*	Hiko/tube	1 per m2	n/a	n/a	n/a	n/a	n/a
Opl aem	*Oplismenus aemulus*	Hiko/tube	1 per m2	n/a	n/a	n/a	n/a	n/a
Vio hed *	*Viola hederacea*	Hiko/tube	1 per m2	n/a	n/a	n/a	n/a	n/a

*** Belongs to Blue Gum High Forest plant community**


Angophora costata


Cupaniopsis anacardioides


Corymbia maculata

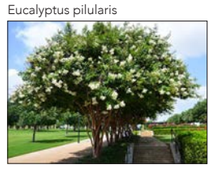

Eucalyptus saligna


Eucalyptus pilularis


Elaeocarpus reticulatus


Waterhousea floribunda


Ficus coronata


Lagerstroemia indica x fauriei


Livistonia australis


Pandanus tectorius


Puttaraska plumeria


Adiantum aethiopicum


Asplenium australasicum


Asplenium flabellifolium


Calochlaena dubia


Davallia solida


Dicksonia antarctica


Doodia aspera


Macrozamia communis

LACHLAN AVE STUDENT ACCOMODATION

PLANT SCHEDULE

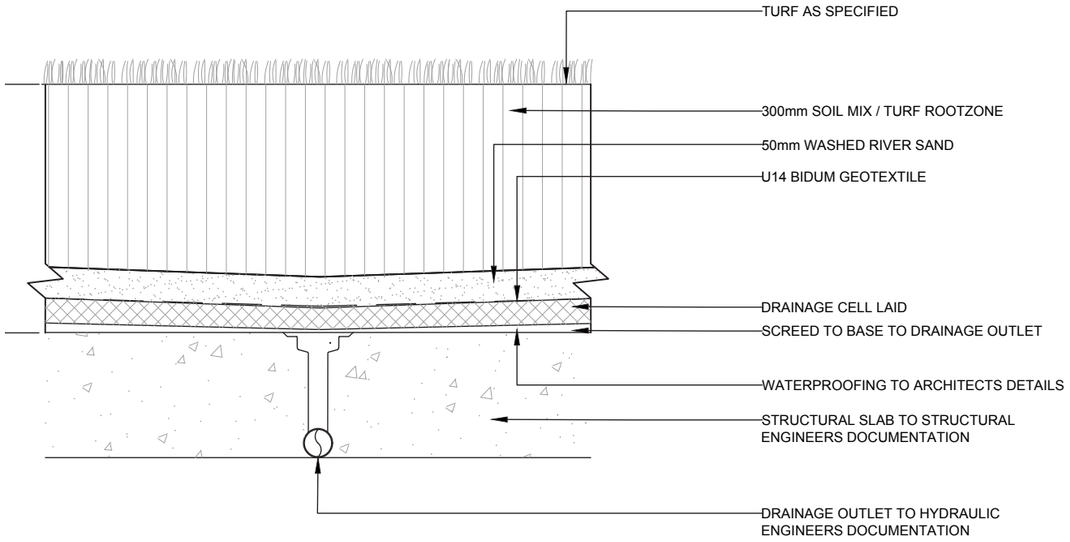
DATE 17.05.2023 | DWG NO LA-19 | REV - | CLIENT

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

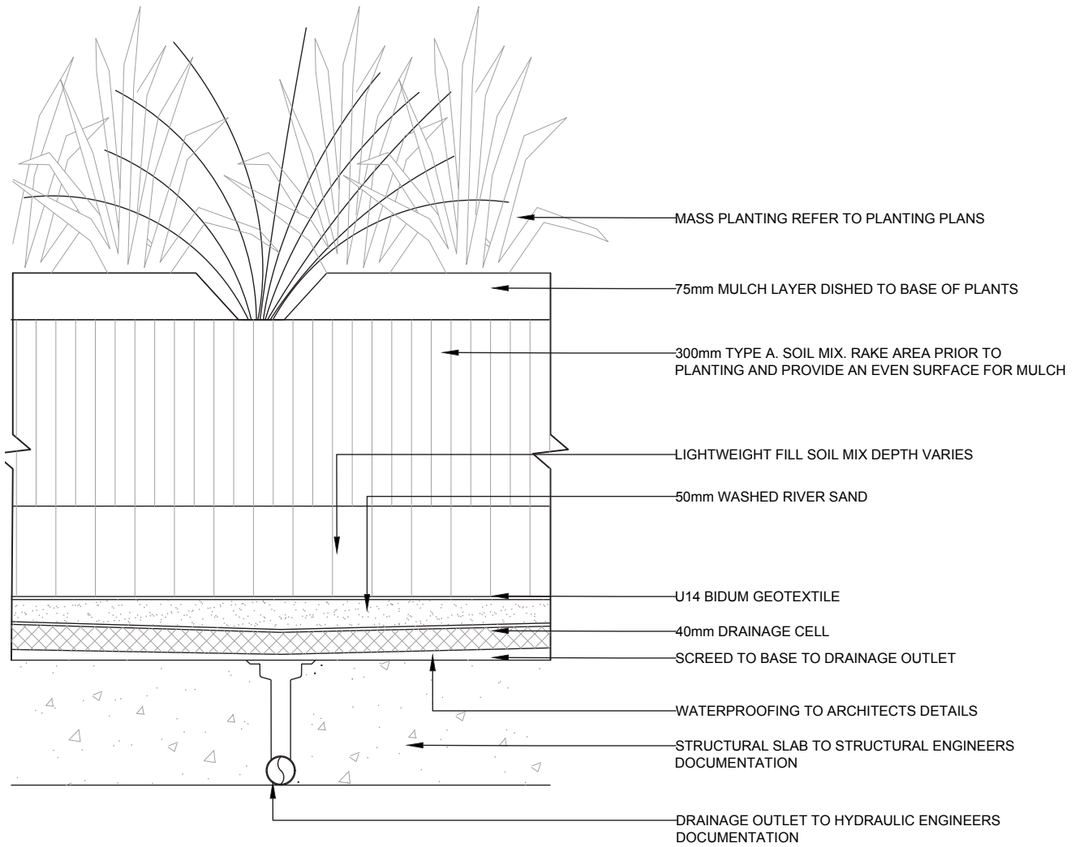
Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

ARCHITECT

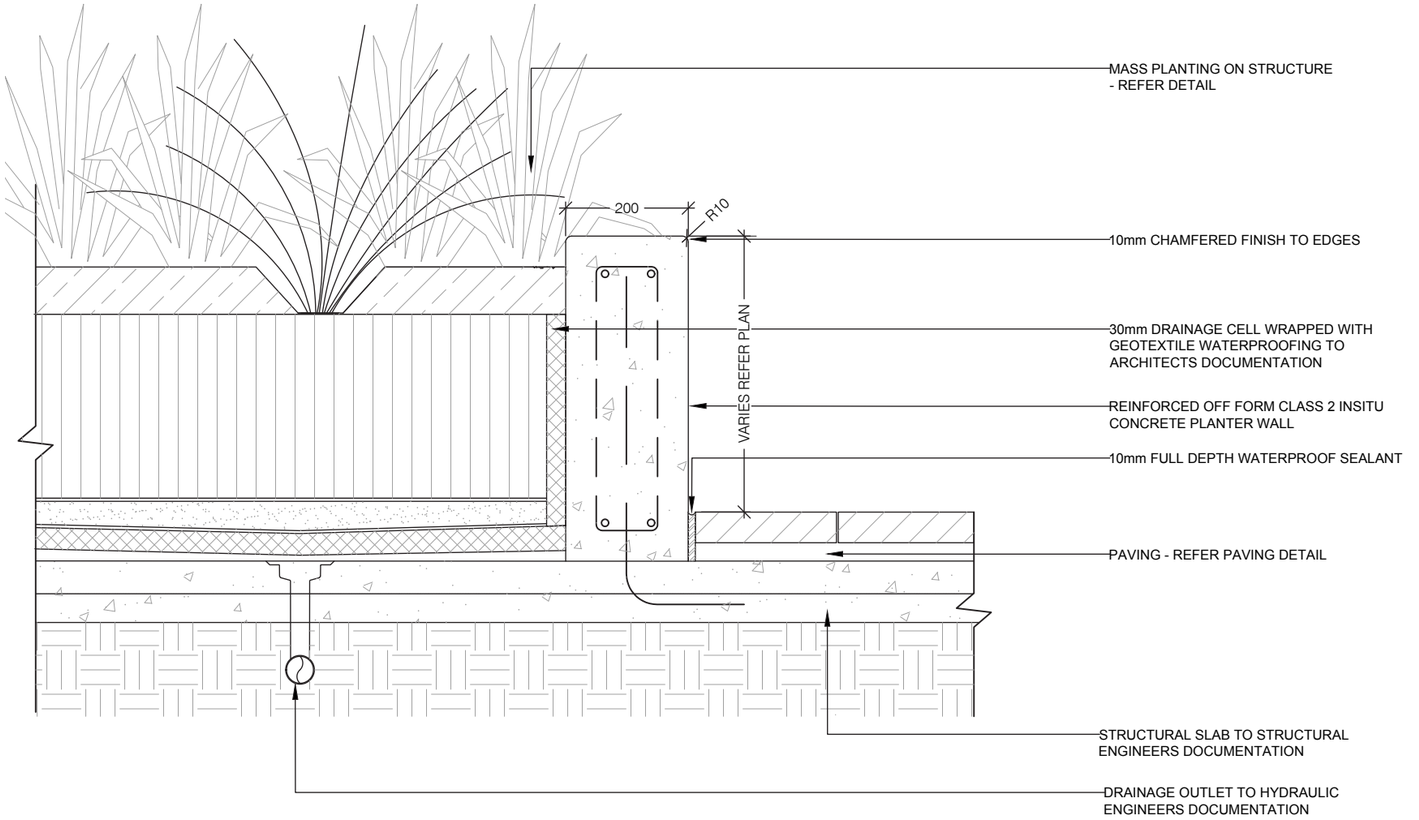
Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au



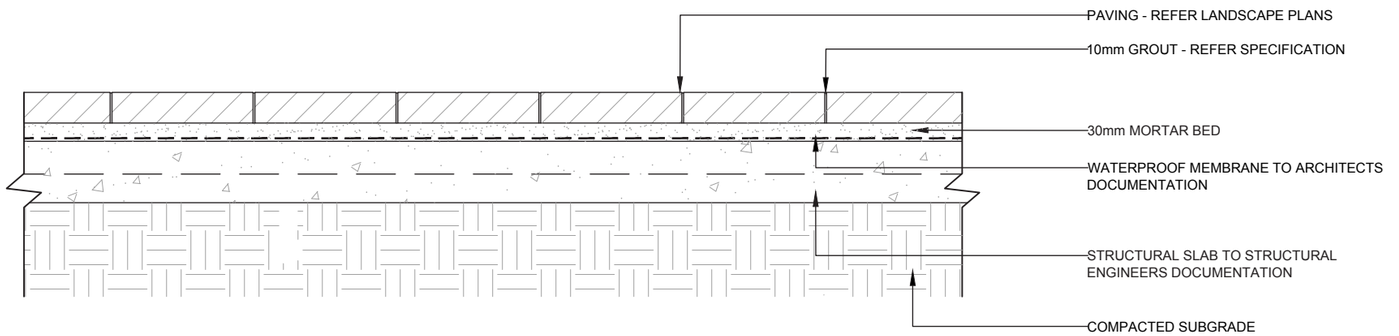
ON STRUCTURE TURF DRTAIL
SCALE 1:10



ON STRUCTURE MASS PLANTING DETAIL
SCALE 1:10



ON STRUCTURE PLANTER WALL DETAIL
SCALE 1:10



ON SLAB PAVING DETAIL
SCALE 1:10

LACHLAN AVE STUDENT ACCOMODATION

SCALE AS SHOWN

DATE 17.05.2023

DWG NO LA-20

REV -

LANDSCAPE DETAILS

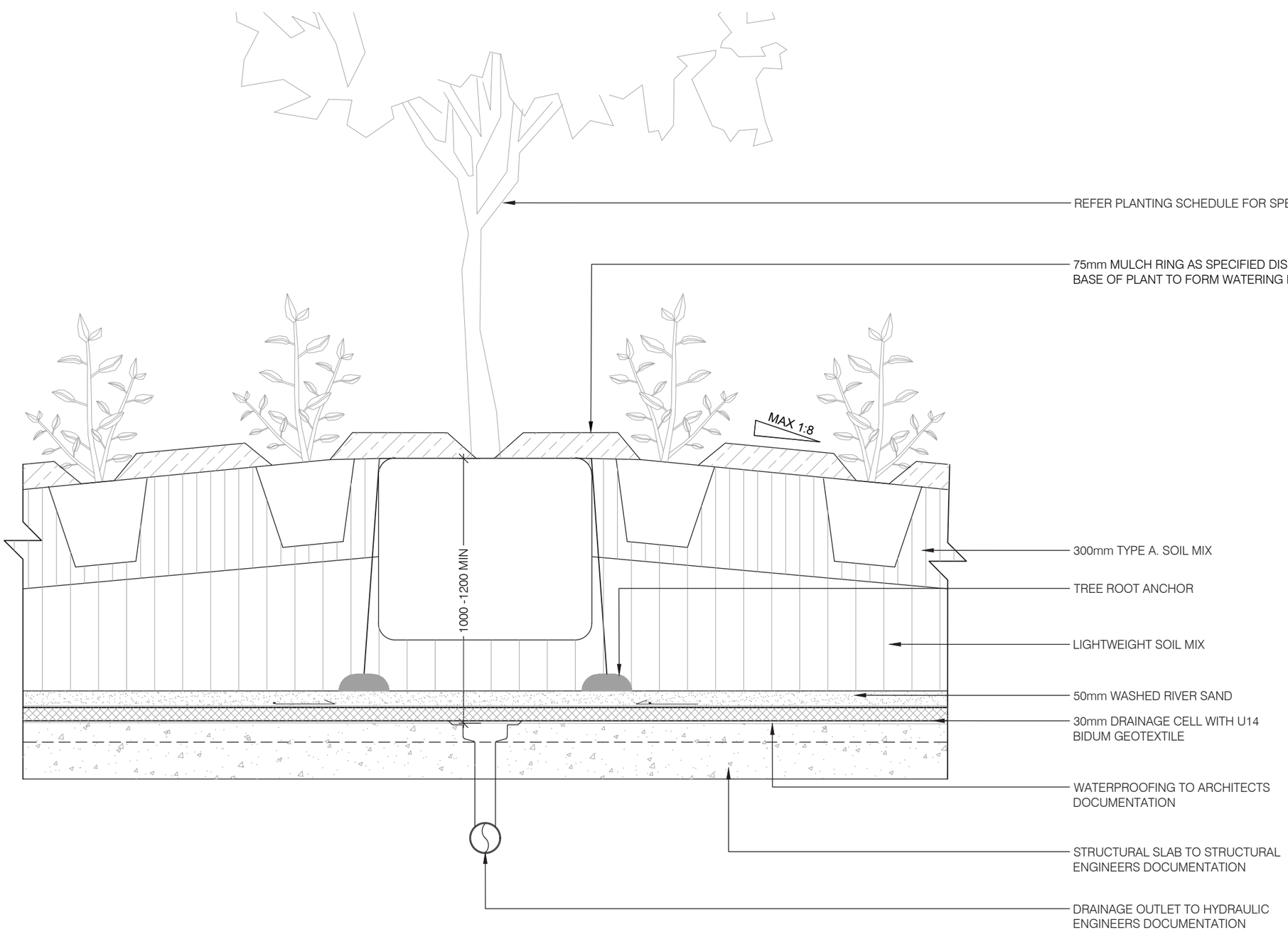
Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

CLIENT

Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

ARCHITECT

Paterson Design Studio
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au



ON STRUCTURE ADVANCED TREE PLANTING DETAIL

SCALE 1:10

LACHLAN AVE STUDENT ACCOMODATION

SCALE AS SHOWN

DATE 17.05.2023

DWG NO LA-21

REV -

LANDSCAPE DETAILS

Rev	Description	Date
-	Development Application	22.11.2022
A	Revised Development Application	17.05.2023

CLIENT enturion

ARCHITECT

Paterson Design Studio PTY LTD
Landscape Architects / Urban Designers
Registered Landscape Architect: Garth Paterson FAILA
Reg#716 BLA (CANB) MLAUD (HARV)
T + 61 2 9452 4911 admin@pdsdesign.com.au
Tel. 02 9452 4911
mob. 0419 501 681
admin@pdsdesign.com.au

LACHLAN AVENUE STUDENT ACCOMMODATION

17-21 LACHLAN AVENUE & 160 HERRING ROAD, MACQUARIE PARK NSW 2113
CIVIL ENGINEERING PACKAGE



LOCALITY PLAN

SOURCE : NEARMAP.COM.AU (©2022)

CIVIL DRAWING SCHEDULE

DWG No.	DRAWING TITLE
DAC01.01	COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN
DAC01.11	SPECIFICATION NOTES
DAC02.01	CONCEPT SEDIMENT AND SOIL EROSION CONTROL PLAN
DAC02.11	SEDIMENT AND SOIL EROSION CONTROL DETAILS
DAC04.01	SITEWORKS AND STORMWATER MANAGEMENT PLAN
DAC04.11	STORMWATER LONGITUDINAL SECTIONS
DAC04.21	STORMWATER MANAGEMENT DEVICES
DAC04.41	STORMWATER CATCHMENT PLAN
DAC10.01	DETAILS - SHEET 01
DAC10.02	DETAILS - SHEET 02
DAC10.03	DETAILS - SHEET 03
DAC10.04	DETAILS - SHEET 04

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023

DRAWN: M. MAI
DESIGNED: T. BUGAEV
JOB MANAGER: A. CARVALHAES
VERIFIER:

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DRAFT DEVELOPMENT APPLICATION	MM		AC	14.11.22
02	ISSUED FOR DEVELOPMENT APPLICATION	MM		AC	22.11.22
03	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT: COLLIERS INTERNATIONAL

DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT

THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.

SCALE 1:2500@ A1 — 0 20 40 60 80 100 120m

NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: 17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113

DRAWING TITLE: CIVIL ENGINEERING PACKAGE

COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN

JOB NUMBER: 221505

DRAWING NUMBER: DAC01.01

REVISION: 03

DRAWING SHEET SIZE = A1

NOTE: ALL CIVIL ENGINEERING CONSTRUCTION WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CITY OF RYDE DEVELOPMENT GUIDELINES.THE AFOREMENTIONED GUIDELINES INCLUSIVE OF ALL SPECIFICATIONS TAKE PRECEDENCE OVER NOTES PROVIDED BELOW.

SURVEY

1. SURVEY SUPPLIED BY: PROJECT SURVEYORS
   - 1.1. REF. NUMBER: 5270
   - 1.2. DRAWING TITLE: 5270-1
   - 1.3. REVISION DATE: 17.06.22
   - 1.4. REVISION NUMBER: 01
   - 1.3. GEOCENTRIC DATUM OF AUSTRALIA: MGA2020 ZONE 56 A.H.D
   - 1.4. SURVEYOR: IBRAHIM A & MATINA K.
   - 1.5. APPROVED: NATHAN MILLIGAN
2. ALL UTILITY SERVICES INDICATED ON THE DRAWINGS ORIGINATE FROM SUPPLIED DATA OR DIAL BEFORE YOU DIG SEARCHES, THEREFORE THEIR ACCURACY AND COMPLETENESS IS NOT GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
   NOTE SERVICE AUTHORITY REQUIREMENTS FOR LOCATING OF SERVICES PRIOR TO COMMENCEMENT OF WORKS.
3. NORTHROP TAKE NO RESPONSIBILITY FOR THE ACCURACY AND/OR USE OF THIS SURVEY AND ITS CONTENTS.

GENERAL NOTES

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH OTHER SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DIMENSIONS ARE IN MILLIMETRES & ALL LEVELS ARE IN METRES, UNO (UNLESS NOTED OTHERWISE).

NO DIMENSION SHALL BE OBTAINED BY SCALING THE DRAWINGS.

ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF THE WORK.

EXISTING SERVICES WHERE SHOWN HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.

ON COMPLETION OF STORMWATER INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS, UNLESS DIRECTED OTHERWISE.

STORMWATER DRAINAGE

1. ALL DRAINAGE LINES SHALL BE UPVC (CLASS SN4) SEWER GRADE DRAINAGE PIPE, U.N.O.
2. ALL DRAINAGE LINES SHALL BE LAID AT 1% MIN. FALL, UNO.
3. ALL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).
4. ALL DOWNPIPES GUTTERS TO BE DESIGNED IN ACCORDANCE WITH AS/NZS 3500.3.2 - 2003 'STORMWATER' DRAINAGE.
5. THE STORMWATER DRAINAGE DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH AS/NZS 3500.3.2-2003 'STORMWATER' DRAINAGE.
6. ANY VARIATIONS TO THE NOMINATED LEVELS SHALL BE REFERRED TO ENGINEER IMMEDIATELY.
7. SUBSOIL DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS & EMBANKMENTS, WITH THE LINES FEEDING INTO THE STORMWATER DRAINAGE SYSTEM.
8. ALL GRATES TO BE GALVANISED STEEL WITH HINGES AND CHILD PROOF LOCK.
9. ALL GRATES TO BE HEEL SAFE WITHIN AGED CARE DEVELOPMENTS.
10. THE STORMWATER DRAINAGE IS DESIGNED IN ACCORDANCE WITH CITY OF RYDE STORMWATER CODE.
11. ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS DRAWING HAVE BEEN PREPARED FOR DEVELOPMENT APPLICATION PURPOSES TO DEMONSTRATE FEASIBILITY. ALL MEASURES WILL BE SUBJECT TO DETAIL DESIGN AT THE CONSTRUCTION CERTIFICATE STAGE AND MAY BE SUBJECT TO VARIATION PROVIDED THAT THE DESIGN INTENT IS MAINTAINED.

RAINWATER RE-USE

1. PROVIDE RAINWATER RE-USE SYSTEM TO SUPPLY WATER FOR IRRIGATION.
2. GUTTER GUARD TO BE INSTALLED ON ALL EAVES GUTTERS.
3. A PERMANENT SIGN IS TO BE LOCATED IN THE VICINITY OF THE TANK STATING THE WATER IS "NON POTABLE WATER" WITH APPROPRIATE HAZARD IDENTIFICATION.
4. PIPEWORK USED FOR RAINWATER SERVICES SHALL BE COLOURED LILAC IN ACCORDANCE WITH AS1345.
5. ALL VALVES AND APERTURES SHALL BE CLEARLY AND PERMANENTLY LABELLED WITH SAFETY SIGNS TO COMPLY WITH AS1319.
6. RAINWATER TANK RETICULATION SYSTEM AND MAINS WATER BYPASS ARRANGEMENT TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3500.1.2-2003 AND THE NSW CODE OF PRACTICE : PLUMBING AND DRAINING.
7. A FIRST FLUSH FILTRATION DEVICE IS TO BE PROVIDED AT RAINWATER TANK.

DESIGN SUMMARY

TOWN CENTRE = RYDE CITY COUNCIL

CATCHMENT CALCULATIONS:

	POST-DEVELOPMENT
TOTAL AREA	3901m²
IMPERVIOUS AREA	2637m² (68%)
PERVIOUS AREA	1264m² (32%)

SITE DISCHARGE CALCULATIONS:

	20 YEAR ARI	100 YEAR ARI
POST-DEVELOPMENT	74 L/s	98 L/s

ON-SITE DETENTION:

IN ACCORDANCE WITH SECTION 1.4.4 "OSD DESIGN - DETAILED METHOD", THE OSD MUST BE DESIGNED TO ENSURE THE LEVEL OF STORMWATER RUNOFF DISCHARGED FROM THE AREA OF DEVELOPMENT MUST NOT EXCEED THE PEAK STORMWATER DISCHARGE ARISING FROM THE POST-DEVELOPED WORKS, DURING A 5 YEAR ARI STORM EVENT.

5 YEAR ARI RUNOFF FROM POST-DEVELOPMENT WORKS = 108 L/s

ON-SITE DETENTION EFFECTIVE VOLUME = 73m³

ON-SITE DETENTION SUMMARY:
- BELOW GROUND BLOCK WORK TANK

TOP WATER LEVEL = RL56.12
OVERFLOW LEVEL = RL56.14
ORIFICE CENTERLINE = RL54.93
ORIFICE DIAMETER = Ø200mm

RAINWATER RE-USE:

IN ACCORDANCE WITH BASIX/COUNCIL REQUIREMENTS.
RAINWATER RE-USE STORAGE REQUIRED = 27m³

RAINWATER RE-USE TO BE USED FOR THE FOLLOWING;
- IRRIGATION

STORMWATER MANAGEMENT REQUIREMENTS HAVE BEEN CALCULATED IN ACCORDANCE WITH CITY OF RYDE DEVELOPMENT CONTROL PLAN 2015 PART 8.2 STORMWATER MANAGEMENT TECHNICAL MANUAL.

TREATMENT NODES:

- RAINWATER RE-USE TANK
- OCEAN PROTECT 'OCEANGUARDS'
- OCEAN PROTECT 'STORMFILTER CARTRIDGES'

TREATMENT STANDARDS:

POLLUTANT	REDUCTION STANDARDS	REDUCTION ACHIEVED
GROSS POLLUTANTS	98.0%	90%
TOTAL SUSPENDED SOLIDS	85.3%	85%
TOTAL PHOSPHORUS	66.4%	65%
TOTAL NITROGEN	50.8%	45%

MUSIC MODEL PARAMETERS IN ACCORDANCE WITH CITY OF RYDE COUNCIL'S WATER SENSITIVE URBAN DESIGN MUSIC MODELLING GUIDELINES 2009.

CONCEPT SOIL & WATER MANAGEMENT

1. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH RELEVANT ORDINANCES AND REGULATIONS; NOTE IN PARTICULAR THE REQUIREMENTS OF LANDCOMS MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION' (THE 'BLUE BOOK'). THIS SOIL AND WATER MANAGEMENT PLAN DETAILS THE ACTIONS TO BE TAKEN FOR THE MANAGEMENT AND DEWATERING OF STORMWATER DURING CONSTRUCTION OF THE PROPOSED BUILDING.
2. INSTALL SEDIMENT PROTECTION FILTERS ON ALL NEW AND EXISTING STORMWATER INLET PITS IN ACCORDANCE WITH EITHER THE MESH AND GRAVEL INLET FILTER DETAIL SD6-11 OR THE GEOTEXTILE INLET FILTER DETAIL SD6-12 OF THE 'BLUE BOOK'.
3. ESTABLISH ALL REQUIRED SEDIMENT FENCES IN ACCORDANCE WITH DETAIL SD6-8 OF THE 'BLUE BOOK'.
4. INSTALL SEDIMENT FENCING AROUND INDIVIDUAL BUILDING ZONES/AREAS AS REQUIRED AND AS DIRECTED BY THE SUPERINTENDENT.
5. ALL TRENCHES INCLUDING ALL SERVICE TRENCHES AND SWALE EXCAVATION SHALL BE SIDE-CAST TO THE HIGH SIDE AND CLOSED AT THE END OF EACH DAYS WORK.
6. THE CONTRACTOR SHALL ENSURE THAT ALL VEGETATION (TREE, SHRUB & GROUND COVER) WHICH IS TO BE RETAINED SHALL BE PROTECTED DURING THE DURATION OF CONSTRUCTION. REFER ARCHITECTS PLANS FOR TREES TO BE KEPT.
7. ALL VEGETATION TO BE REMOVED SHALL BE MULCHED ONSITE AND SPREAD/STOCKPILED AS DIRECTED BY THE SUPERINTENDENT.
8. STRIP TOPSOIL IN AREAS DESIGNATED FOR STRIPPING AND STOCKPILE FOR RE-USE AS REQUIRED. ANY SURPLUS MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH EPA GUIDELINES.
9. CONSTRUCT AND MAINTAIN ALL MATERIAL STOCKPILES IN ACCORDANCE WITH DETAIL SD4-1 OF THE 'BLUE BOOK' (INCLUDING CUT-OFF SWALES TO THE HIGH SIDE AND SEDIMENT FENCES TO THE LOW SIDE).
10. ENSURE STOCKPILES DO NOT EXCEED 2.0m HIGH. PROVIDE WIND AND RAIN EROSION PROTECTION AS REQUIRED IN ACCORDANCE WITH THE 'BLUE BOOK'.
11. PROVIDE WATER TRUCKS OR SPRINKLER DEVICES DURING CONSTRUCTION AS REQUIRED TO SUPPRESS DUST.
12. ONCE CUT/FILL OPERATIONS HAVE BEEN FINALIZED ALL DISTURBED AREAS THAT ARE NOT BEING WORKED ON SHALL BE RE-VEGETATED AS SOON AS IS PRACTICAL.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING A DETAILED WRITTEN RECORD OF ALL EROSION & SEDIMENT CONTROLS ON-SITE DURING THE CONSTRUCTION PERIOD. THIS RECORD SHALL BE UPDATED ON A DAILY BASIS & SHALL CONTAIN DETAILS ON THE CONDITION OF CONTROLS AND ANY/ ALL MAINTENANCE, CLEANING & BREACHES. THIS RECORD SHALL BE KEPT ON-SITE AT ALL TIMES AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE PRINCIPAL CERTIFYING AUTHORITY AND THE SUPERINTENDENT DURING NORMAL WORKING HOURS.
14. GROUNDWATER SEEPAGE RATES AND QUALITY TO BE MONITORED AND TREATED IF REQUIRED DURING CONSTRUCTION IN ACCORDANCE WITH REQUIREMENTS OF SUPERVISING GEOTECHNICAL ENGINEER.

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023

DRAWN: M. MAI
DESIGNED: T. BUGAEV
JOB MANAGER: A. CARVALHAES
VERIFIER:

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DEVELOPMENT APPLICATION	MM		AC	22.11.22
02	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT: COLLIERS INTERNATIONAL
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT: AJC
THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

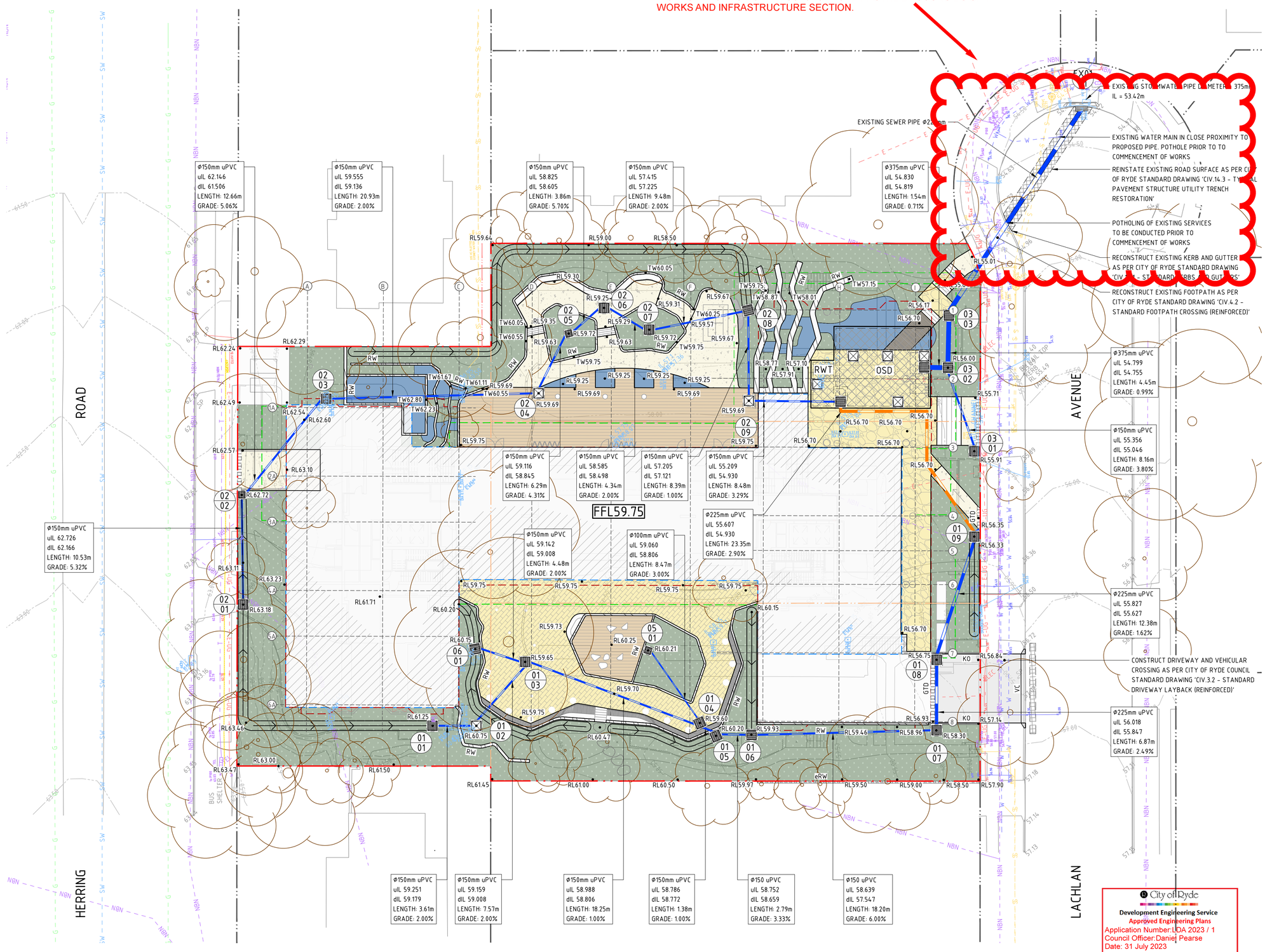
NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: **17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113**

DRAWING TITLE: **CIVIL ENGINEERING PACKAGE**
SPECIFICATION NOTES

JOB NUMBER: **221505**
DRAWING NUMBER: **DAC01.11**
REVISION: **02**
DRAWING SHEET SIZE = A1

WORKS IN PUBLIC DOMAIN SUBJECT TO APPROVAL BY COUNCIL'S CITY WORKS AND INFRASTRUCTURE SECTION.



LEGEND

- SITE BOUNDARY
- ADJACENT BOUNDARY
- EASEMENT LINE
- REDUNDANT BOUNDARY
- NBN — EXISTING NBN
- E — EXISTING ELECTRICITY
- E-UG — EXISTING ELECTRICITY - UNDERGROUND
- G — EXISTING GAS
- S — EXISTING SEWER
- W — EXISTING WATER
- SW — EXISTING STORMWATER
- BUILDING FOOTPRINT
- BUILDING FOOTPRINT OVERHEAD
- AWNING OUTLINE
- FFLXX.XX — FINISHED FLOOR LEVEL
- • RLXX.XX — PROPOSED LEVEL
- VC — VEHICULAR CROSSING
- KO — KERB ONLY
- SAWCUT AND PAVEMENT INFILL
- STORMWATER PIPE
- STORMWATER PIPE - SUSPENDED IN BASEMENT
- PROPOSED STORMWATER PITS
- EXISTING STORMWATER PITS
- GTD — GRATED TRENCH DRAIN
- DRAINAGE SWALE
- OSD — ON-SITE DETENTION TANK
- RWT — RAINWATER HARVESTING TANK
- RW — RETAINING WALL
- eRW — EXISTING RETAINING WALL
- EXISTING CONTOURS
- CONCRETE FOOTPATH
- CONCRETE DRIVEWAY
- TIMBER DECKING - REFER LANDSCAPE ARCHITECTS
- UNIT PAVERS - REFER LANDSCAPE ARCHITECTS
- GRANITE PAVING - REFER LANDSCAPE ARCHITECTS
- LANDSCAPING - REFER LANDSCAPING ARCHITECTS
- WATER FEATURE - REFER LANDSCAPE ARCHITECTS

GENERAL NOTES

1. SURVEY SUPPLIED BY: PROJECT SURVEYORS
   - 1.1. REF. NUMBER: 5270
   - 1.2. DRAWING TITLE: 5270-1
   - 1.3. REVISION DATE: 17.06.22
   - 1.4. REVISION NUMBER: 01
   - 1.3. GEOCENTRIC DATUM OF AUSTRALIA: MGA2020 ZONE 56
   - 1.4. SURVEYOR: IBRAHIM A. & MATINA K
   - 1.5. APPROVED: NATHAN MILLIGAN
2. REFER SPECIFICATIONS NOTES FOR STORMWATER AND SITEWORKS GENERAL REQUIREMENTS.
3. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
4. CAD FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).
5. SUBSOIL DRAINAGE TO RETAINING WALLS, KERBS AND SWALE DRAINS NOT SHOWN FOR CLARITY - REFER RELEVANT DETAILS.
6. REFER HYDRAULIC ENGINEERS / ARCHITECTS DRAWINGS FOR DOWNPIPE LOCATIONS AND SIZING.
7. PROVIDE DRAINAGE CONNECTIONS TO KERB IN ACCORDANCE WITH COUNCIL STANDARD DETAILS AND SPECIFICATION.
8. CONTRACTOR TO ALLOW TO ADJUST AND LIAISE WITH RELEVANT SERVICE AUTHORITIES IN RELATION TO EXISTING SERVICE ADJUSTMENT AND MODIFICATIONS.
9. PROVIDE OCEAN GUARD PIT INSERTS TO ALL GRATED STORMWATER PITS.

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023

NOT FOR CONSTRUCTION

DESIGNED: T. BUGAEV
DRAWN: M. MAI
JOB MANAGER: A. CARVALHAES
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
02	ISSUED FOR DRAFT DEVELOPMENT APPLICATION	AC		AC	09.11.22
03	ISSUED FOR COORDINATION	MM		AC	10.11.22
04	ISSUED FOR INFORMATION	MM		AC	14.11.22
05	ISSUED FOR COORDINATION	SS		AC	18.11.22
06	ISSUED FOR DEVELOPMENT APPLICATION	MM		AC	22.11.22
07	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT: COLLIERS INTERNATIONAL
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT: AIC
THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE
SCALE 1:200@ A1 (0 2 4 6 8 10m)

NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

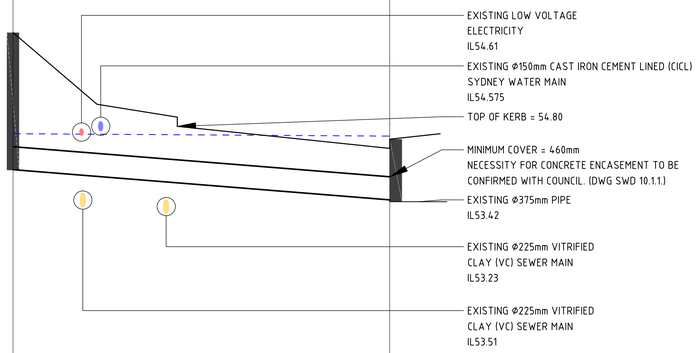
PROJECT: 17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113

DRAWING TITLE: CIVIL ENGINEERING PACKAGE
SITEWORKS AND STORMWATER MANAGEMENT PLAN

JOB NUMBER: 221505
DRAWING NUMBER: DAC04.01
REVISION: 07
DRAWING SHEET SIZE = A1

03
03

EX01
01



70 L/s
Ø375mm
2.00%
STEEL REINFORCED CONCRETE PIPE (RCP)
CLASS 4

DATUM RL	49		
H.G.L. 5% AEP	54.529	54.490	
FINISHED SURFACE	56.180		54.290
PIPE COVER	1.863	0.460	
INVERT LEVEL	53.942	53.450	
CHAINAGE	0		24.60

1:200 HORIZ 1:50
VERTICAL

LINE 03

WORKS SUBJECT TO APPROVAL BY COUNCIL'S
CITY WORKS AND INFRASTRUCTURE SECTION.

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023

DRAWN: M. MAI
DESIGNED: T. BUGAEV
JOB MANAGER: A. CARVALHAES
VERIFIER:

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT
COLLIERS INTERNATIONAL
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT
AIC
THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

SCALE 1:50@ A1 0.0 0.5 1.0 1.5 2.0 2.5m
SCALE 1:200@ A1 0 2 4 6 8 10m

NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT
17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113

DRAWING TITLE
CIVIL ENGINEERING PACKAGE

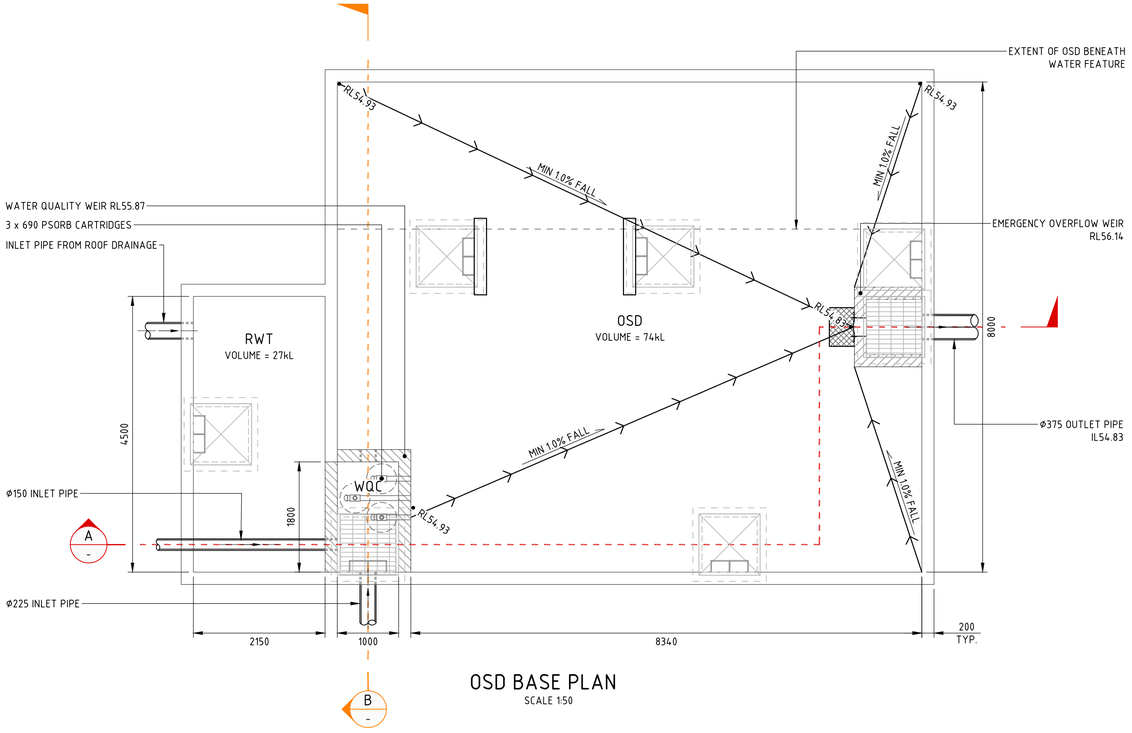
STORMWATER LONGITUDINAL SECTIONS

JOB NUMBER
221505

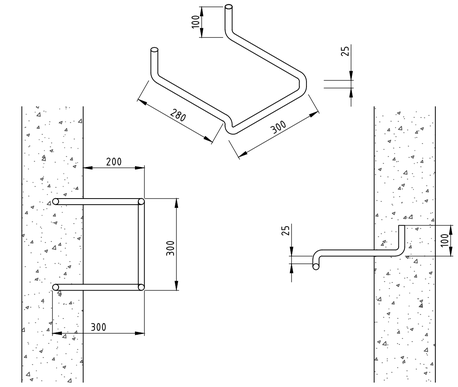
DRAWING NUMBER
DAC04.11

REVISION
01

DRAWING SHEET SIZE = A1

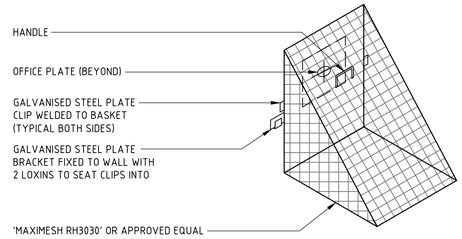


OSD BASE PLAN
SCALE 1:50

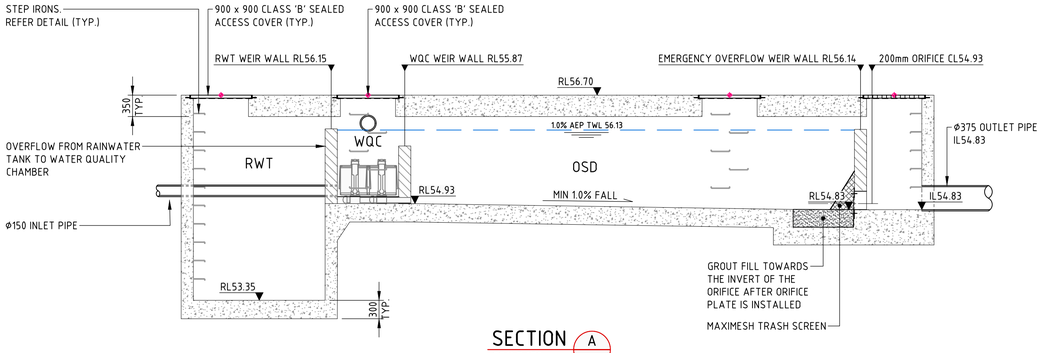


STEP IRON DETAIL

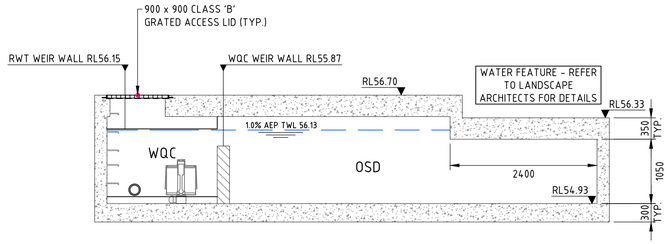
STEP IRON OF 20mm GALVANISED STEEL MADE TO SHAPE AND DIMENSIONS AS SHOWN, PLACED AT 300 CENTRES AND STAGGERED HORIZONTALLY FOR ALL PITS DEEPER THAN 1.0m. THE USE OF PROPRIETARY STEP IRONS ARE ACCEPTABLE PROVIDED THE PRODUCT IS IN ACCORDANCE WITH AUSTRALIAN STANDARDS
SCALE 1:10



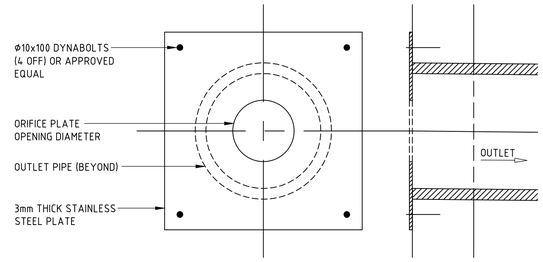
TRASH SCREEN DETAIL
SCALE 1:10



SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



ORIFICE PLATE DETAIL
- ORIFICE PLATE - Ø200mm

SCALE 1:10

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023

NOT FOR CONSTRUCTION

DESIGNED: T. BUGAEV
DRAWN: M. MAI
JOB MANAGER: A. CARVALHAES
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DRAFT DEVELOPMENT APPLICATION	MM		AC	14.11.22
02	ISSUED FOR DEVELOPMENT APPLICATION	MM		AC	22.11.22
03	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT
COLLIERS INTERNATIONAL

DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT

THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

SCALE 1:50@A1 0.0 0.5 1.0 1.5 2.0 2.5m
SCALE 1:10@A1 0.0 0.1 0.2 0.3 0.4 0.5m

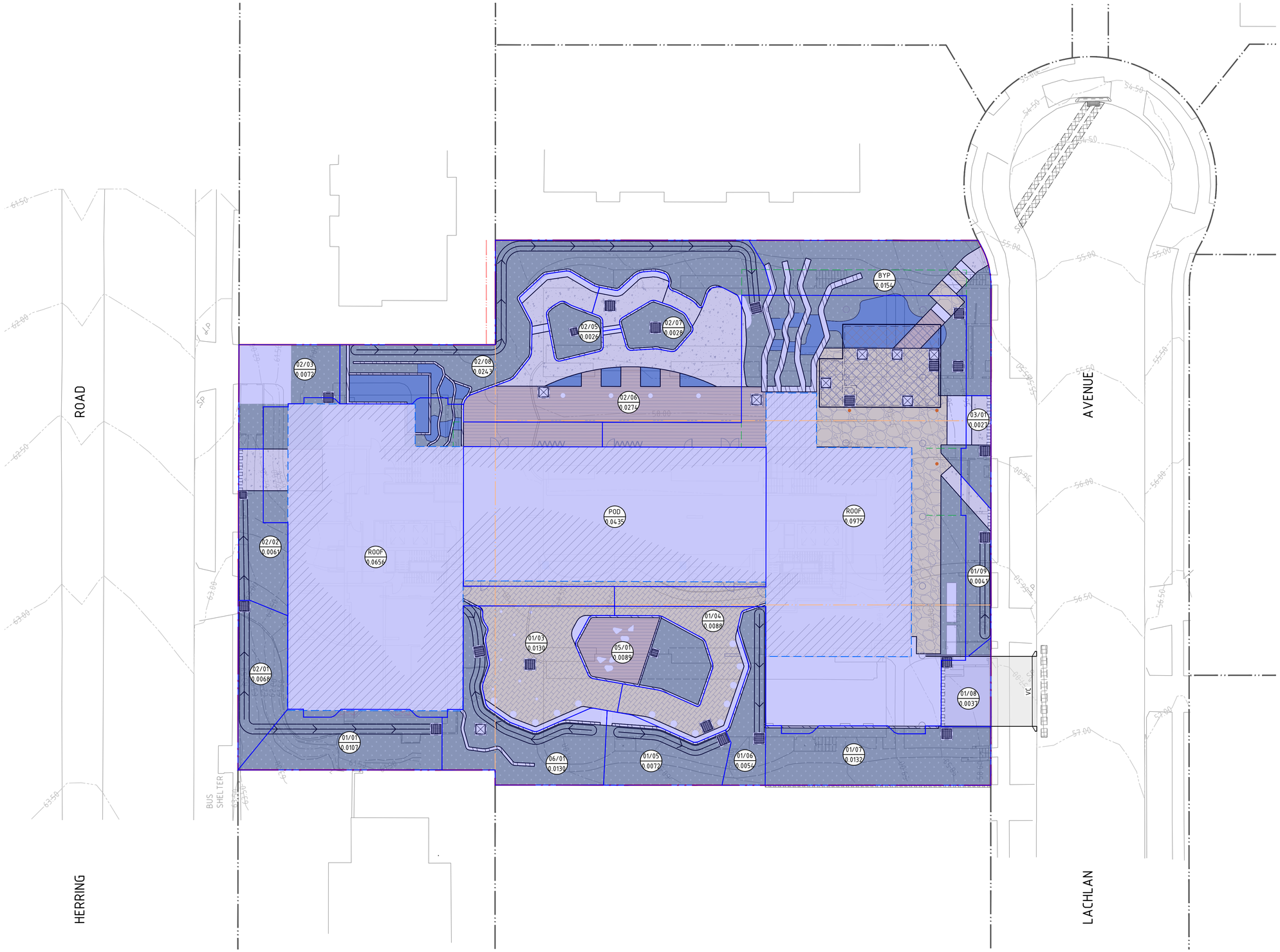
NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT
17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113

DRAWING TITLE
CIVIL ENGINEERING PACKAGE

STORMWATER MANAGEMENT DEVICES

JOB NUMBER **221505**
DRAWING NUMBER **DAC04.21**
REVISION **03**
DRAWING SHEET SIZE = A1



LEGEND

- SITE BOUNDARY
- ADJACENT BOUNDARY
- EASEMENT LINE
- REDUNDANT BOUNDARY
- EXISTING CONTOURS
- CATCHMENT BOUNDARY
- 1 / X.XX — STORMWATER PIT TAG / CATCHMENT AREA (ha)

GENERAL NOTES:

1. REFER TO CIVIL DRAWINGS/ STORMWATER REPORT / DRAINS FILE FOR HYDROLOGICAL AND HYDRAULIC CALCULATIONS.CATCHMENTS INDICATED AND THEIR CORRESPONDING PITS ARE THOSE WHICH HAVE BEEN USED FOR MODELLING PURPOSES.
2. REFER HYDRAULIC ENGINEERS CALCULATIONS FOR ROOF DRAINAGE.

DRAWN: M. MAI DESIGNED: T. BUGAEV JOB MANAGER: A. CARVALHAES VERIFIER:

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DRAFT DEVELOPMENT APPLICATION	MM		AC	14.11.22
02	ISSUED FOR DEVELOPMENT APPLICATION	MM		AC	22.11.22
03	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT: COLLIERS INTERNATIONAL
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT
THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

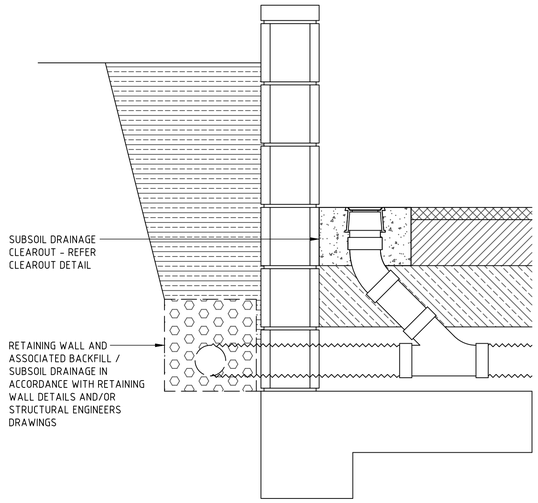
SCALE 1:200@ A1 — 0 2 4 6 8 10m

NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: 17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113

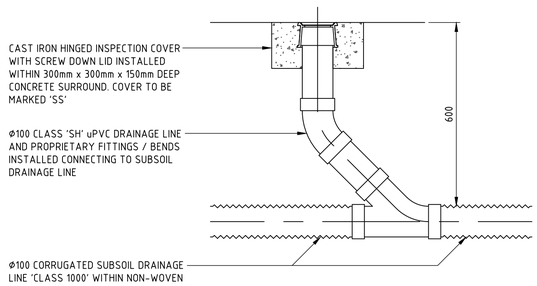
DRAWING TITLE: CIVIL ENGINEERING PACKAGE
STORMWATER CATCHMENT PLAN

JOB NUMBER: 221505
DRAWING NUMBER: DAC04.41
REVISION: 03
DRAWING SHEET SIZE = A1



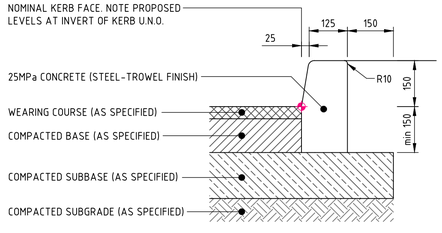
SUBSOIL DRAINAGE CLEAROUT 'CO' - WALL

CLEAROUT TO BE INSTALLED AT INTERMEDIATE POINTS ALONG SUBSOIL DRAINAGE LINES @ MAX 30m CENTRES AND DISCHARGING TO DRAINAGE STRUCTURES @ MAX 60m CENTRES.
SCALE 1:10



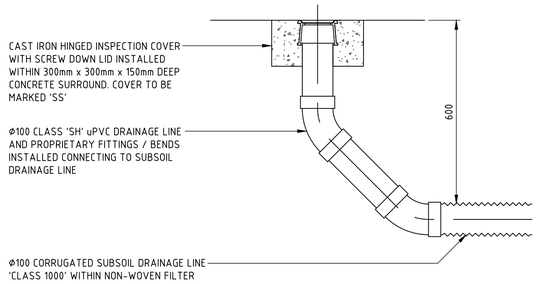
SUBSOIL DRAINAGE CLEAROUT 'CO'

CLEAROUT TO BE INSTALLED AT INTERMEDIATE POINTS ALONG SUBSOIL DRAINAGE LINES @ MAX 30m CENTRES AND DISCHARGING TO DRAINAGE STRUCTURES @ MAX 60m CENTRES.
SCALE 1:10



KERB ONLY 'KO'

EXPANSION JOINTS @ MAX 12m CTRS / TOOL JOINTS @ MAX 3m CTRS
ALL RADII TO BE 20mm U.N.O.
SCALE 1:10



SUBSOIL DRAINAGE CLEAROUT 'CO'

CLEAROUT TO BE INSTALLED AT UPSTREAM POINTS ALONG SUBSOIL DRAINAGE LINES @ MAX 30m CENTRES AND DISCHARGING TO DRAINAGE STRUCTURES @ MAX 60m CENTRES.
SCALE 1:10

DESIGNED: T. BUGAEV
DRAWN: M. MAI
JOB MANAGER: A. CARVALHAES
VERIFIER:

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT: COLLIERS INTERNATIONAL

DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT

THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

SCALE 1:10 @ A1: 0.0 0.1 0.2 0.3 0.4 0.5m
SCALE 1:20@ A1: 0.0 0.2 0.4 0.6 0.8 1.0m

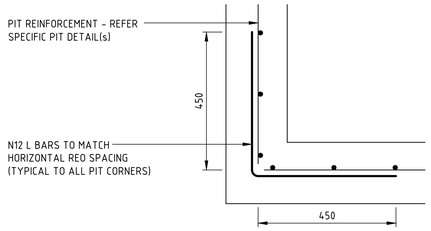
NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: **17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113**

DRAWING TITLE: **CIVIL ENGINEERING PACKAGE**

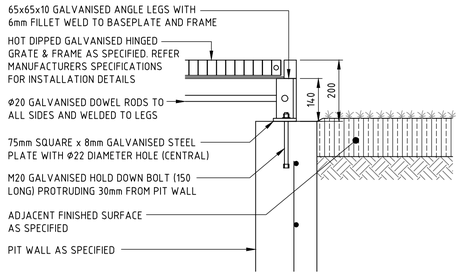
DETAILS - SHEET 01

JOB NUMBER: **221505**
DRAWING NUMBER: **DAC10.01**
REVISION: **01**
DRAWING SHEET SIZE = A1



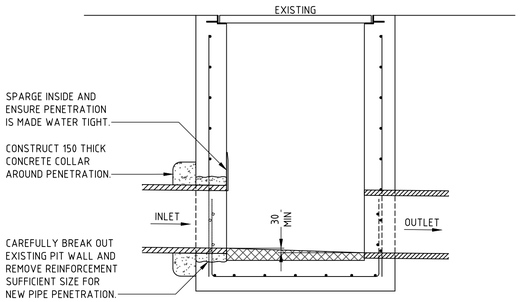
PIT CORNER DETAIL

(SINGLE LAYER REINFORCEMENT)
APPLICABLE TO ALL STORMWATER DRAINAGE STRUCTURES
SCALE 1:10



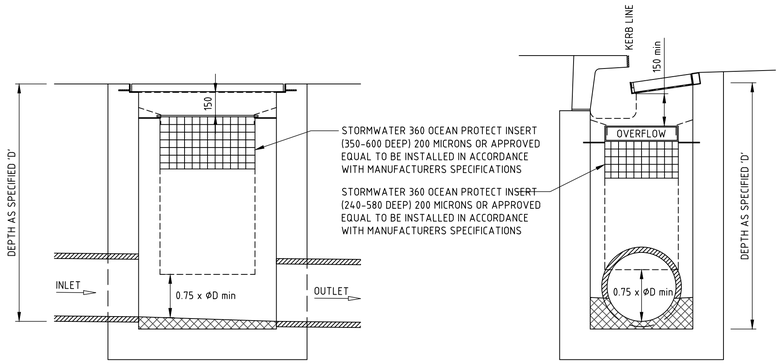
PIT INTERFACE - DETAIL 'B'

SCALE 1:10



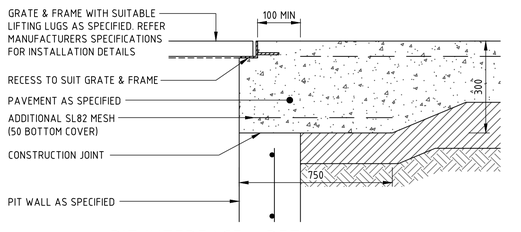
DRAINAGE PIT - NEW PIPE CONNECTION

THE CONTRACTOR SHALL REQUEST THE SUPERINTENDENT INSPECT THE CONDITION OF THE EXISTING PIT PRIOR TO MODIFICATION. IF THE EXISTING PIT IS IN POOR CONDITION, THE CONTRACTOR SHALL REMOVE AND RECONSTRUCT A NEW PIT IN ACCORDANCE WITH SUPERINTENDENTS INSTRUCTIONS.
SCALE 1:20



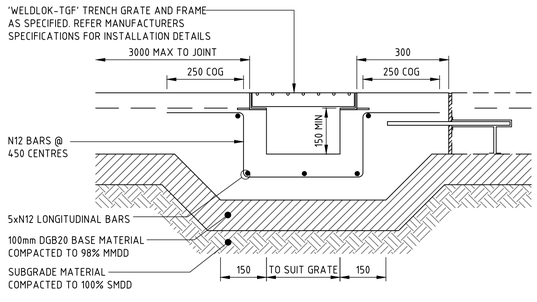
'OCEAN PROTECT' INSERTS

ENSURE MINIMUM 70mm CLEARANCE ACHIEVED BETWEEN OCEAN PROTECT CAGE AND PIT WALLS / FLOORS. INSTALL OCEAN PROTECT INSERTS TO ALL GRATED INLET PITS U.N.O.
SCALE 1:20



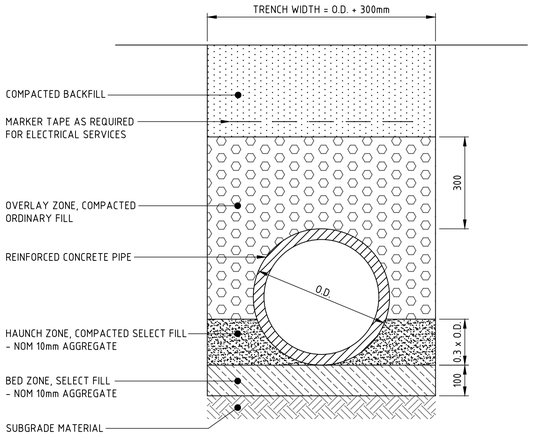
PIT INTERFACE - DETAIL 'A'

SCALE 1:10



GRATED TRENCH DRAIN 'GTD'

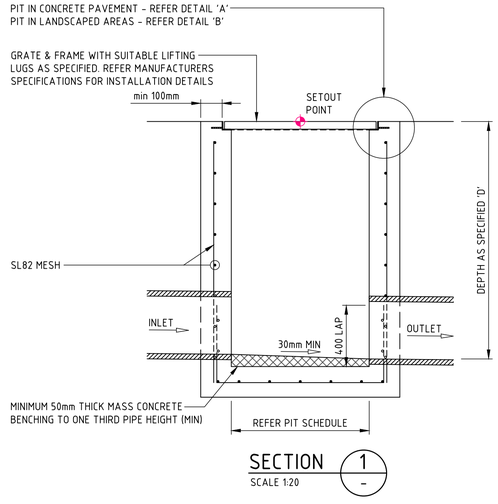
GRATED TRENCH DRAIN TO HAVE MINIMUM 150mm CLEARANCE AND 1% LONGITUDINAL FALL.
GRATE CLASS TO BE CLASS 'B' HEELSAFE IN PEDESTRIAN AREAS AND CLASS 'D' IN TRAFFICKED AREAS UNLESS NOTED OTHERWISE ON PLAN. REFER PLAN FOR JOINT TYPES AND LOCATIONS
SCALE 1:10



TYPICAL PIPE TRENCH - GENERAL AREAS

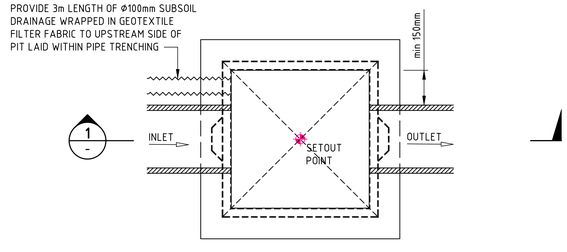
1. TRENCH WIDTH MAY NEED TO BE INCREASED SUBJECT TO ACHIEVING COMPACTION. ENSURE MINIMUM 300mm CLEARANCE BETWEEN, WHEN USING MULTIPLE PIPES TO ACHIEVE ADEQUATE COMPACTION.
2. MINIMUM PIPE COVER NOT UNDER ROADS TO BE 300mm U.N.O.
3. THE CONTRACTOR SHALL ENSURE THAT SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.
4. ENSURE BACKFILLING COMPACTION MEETS THE FOLLOWING STANDARDS;
   - 4.1. TRENCHES UNDER PAVED AREAS / BUILDING - 100% SMDD
   - 4.2. TRENCHES NOT UNDER PAVEMENTS - 95% SMDD

SCALE 1:10



SECTION 1 / -

SCALE 1:20



PLAN
SURFACE INLET 'SIP' / JUNCTION PIT 'JP'

PIT STRUCTURE TO BE 200mm THICK UNLESS SHOWN OTHERWISE. DRILL AND EPOXY PLASTIC PROPRIETARY STEP IRONS IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND MANUFACTURERS SPECIFICATIONS (PITS > 1000mm DEPTH).
REFER PIT INTERFACE DETAIL 'F' FOR CORNER REINFORCEMENT
SCALE 1:20

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023

NOT FOR CONSTRUCTION

DESIGNED: T. BUGAEV
DRAWN: M. MAI
JOB MANAGER: A. CARVALHAES
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT
COLLIERS INTERNATIONAL
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT
AIC
THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

SCALE 1:10 @ A1 0.0 0.1 0.2 0.3 0.4 0.5m
SCALE 1:20 @ A1 0.0 0.2 0.4 0.6 0.8 1.0m

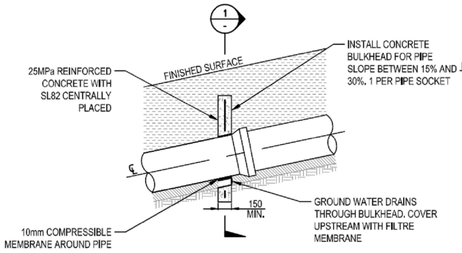
NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT
17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113

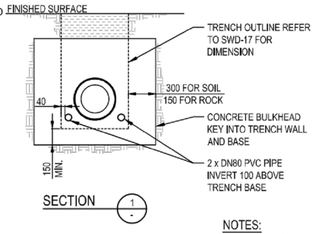
DRAWING TITLE
CIVIL ENGINEERING PACKAGE

DETAILS - SHEET 02

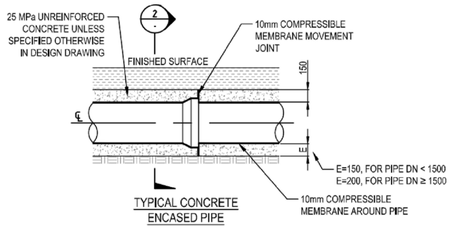
JOB NUMBER **221505**
DRAWING NUMBER **DAC10.02**
REVISION **01**
DRAWING SHEET SIZE = A1



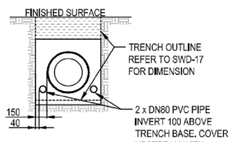
TYPICAL CONCRETE BULKHEAD DETAIL



SECTION 1



TYPICAL CONCRETE ENCASED PIPE



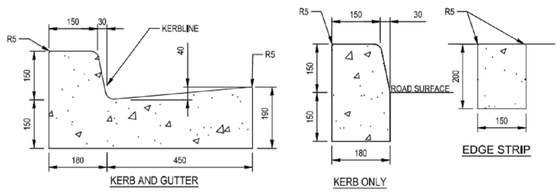
SECTION 2

NOTES:
1. KEY CONCRETE BULKHEADS INTO SIDES AND BOTTOM OF TRENCH AGAINST A BEARING SURFACE OF UNDISTURBED SOIL.
2. MINIMUM STRENGTH OF CONCRETE SHALL BE 25MPa AFTER 28 DAYS.
3. CONCRETE SHALL BE PLACED WITH A MAXIMUM SLUMP OF 80mm.
4. COMPRESSIBLE MEMBRANE TO BE 10 THICK POLYSTYRENE.
5. FOR SLOPES >30% CONTINUOUSLY ENCASE THE PIPE IN CONCRETE TO PREVENT MOVEMENT AND TRANSFER OF GROUND WATER. JOINTS TO BE WRAPPED WITH GEOTEXTILE FABRIC TO PREVENT DAMAGE TO RUBBER RING JOINT.
6. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

COPYRIGHT © 2011 City of Ryde - ALL RIGHTS RESERVED
No part of this document shall be modified or reproduced without written permission.
Go to www.ryde.nsw.gov.au/disclaimer to view the Standard Drawings Disclaimer

'SWD.10.1.1 - CONCRETE BULKHEAD AND PIPE ENCASEMENT DETAIL'

DATE: 24.06.16
REVISION A
CITY OF RYDE COUNCIL DETAIL
N.T.S.

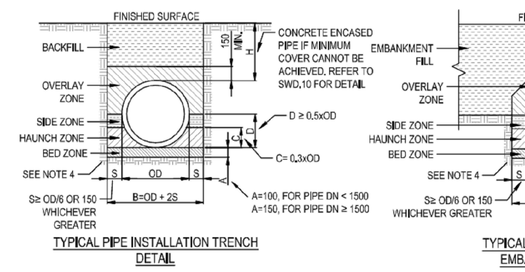


NOTES:
1. ALL ROADSIDE KERBS SHALL BE LAID ON A MINIMUM 150mm THICKNESS COMPACTED APPROVED ROADBASE.
2. ALL CORNERS SHALL HAVE A 25mm RADIUS UNLESS NOTED OTHERWISE.
3. ALL KERBS, GUTTERS AND EDGE STRIPS SHALL BE STEEL FLOAT FINISHED.
4. EXPANSION JOINTS SHALL BE PROVIDED AND AT INTERVALS OF 6m ALONG STRAIGHT ALIGNMENT AND 3m ALONG CURVED ALIGNMENT. REFER TO CIV.11 FOR JOINT DETAIL.
5. CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 25MPa MINIMUM.
6. CONCRETE SHALL BE PLACED WITH A MAXIMUM SLUMP OF 80mm.
7. REFER TO CIV.1.2.1 FOR ROAD RESTORATION DETAIL.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

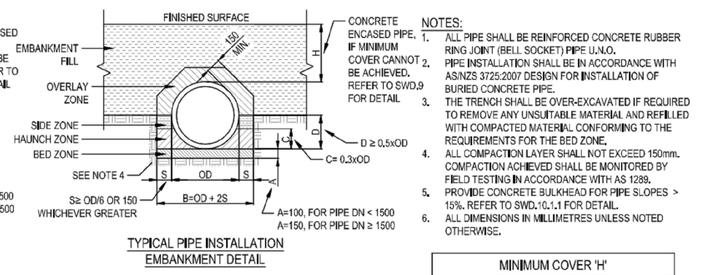
COPYRIGHT © 2011 City of Ryde - ALL RIGHTS RESERVED
No part of this document shall be modified or reproduced without written permission.
Go to www.ryde.nsw.gov.au/disclaimer to view the Standard Drawings Disclaimer

'CIV.1.1.1 - STANDARD KERBS AND GUTTERS'

DATE: 21.06.18
REVISION E
CITY OF RYDE COUNCIL DETAIL
N.T.S.



TYPICAL PIPE INSTALLATION TRENCH DETAIL



TYPICAL PIPE INSTALLATION EMBANKMENT DETAIL

NOTES:
1. ALL PIPE SHALL BE REINFORCED CONCRETE RUBBER RING JOINT (BELL SOCKET) PIPE U.N.O.
2. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH AS/NZS 3725:2007 DESIGN FOR INSTALLATION OF BURIED CONCRETE PIPE.
3. THE TRENCH SHALL BE OVER-EXCAVATED IF REQUIRED TO REMOVE ANY UNSUITABLE MATERIAL AND REFILLED WITH COMPACTED MATERIAL CONFORMING TO THE REQUIREMENTS FOR THE BED ZONE.
4. ALL COMPACTION LAYER SHALL NOT EXCEED 150mm. COMPACTION ACHIEVED SHALL BE MONITORED BY FIELD TESTING IN ACCORDANCE WITH AS 1289.
5. PROVIDE CONCRETE BULKHEAD FOR PIPE SLOPES > 15%. REFER TO SWD.10.1.1 FOR DETAIL.
6. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

ZONE DETAIL:

BED ZONE: IMPORTED MATERIAL OR EXCAVATED MATERIAL WITH PARTICLE SIZE NOT GREATER THAN 19mm AND CONFORMS WITH THE FOLLOWING SOIL CLASSES:

SIEVE SIZE (mm)	19.0	2.36	0.60	0.30	0.15	0.075
% MASS PASSING	100	100-50	90-20	60-10	25-0	10-0

THE MATERIAL PASSING THE 0.075mm SIEVE MUST HAVE LOW PLASTICITY AS DECRIBED IN APPENDIX D OF AS 1726.
COMPACTION BY TAMPING, ROLLING AND/OR VIBRATION TO A MINIMUM DENSITY INDEX OF 60.

HAUNCH ZONE: FILL MATERIAL COMPLYING WITH THE REQUIREMENTS SHOWN ABOVE FOR THE BED ZONE.
COMPACTION BY SATURATION AND VIBRATION TO ACHIEVE A MINIMUM DENSITY INDEX OF 60.

SIDE ZONE: IMPORTED MATERIAL OR EXCAVATED MATERIAL WITH PARTICLE SIZE NOT GREATER THAN 19mm AND CONFORMS WITH THE FOLLOWING SOIL CLASSES:

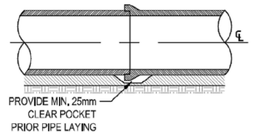
SIEVE SIZE (mm)	75	9.5	2.36	0.60	0.075
% MASS PASSING	100	100-50	100-30	50-15	25-0

COMPACTION BY TAMPING, ROLLING OR VIBRATION TO A MINIMUM RELATIVE DENSITY OF 90% OR A MINIMUM DENSITY INDEX OF 60

OVERLAY ZONE: FILL MATERIAL FROM EXCAVATED TRENCH SHALL NOT CONTAIN ANY STONES LARGER THAN 150mm, NOR MORE THAN 20% WITH A SIZE BETWEEN 75mm AND 150mm. COMPACTION BY TAMPING, ROLLING OR VIBRATION TO A MINIMUM DENSITY INDEX OF 60

BACKFILL/EMBANKMENT FILL: MATERIAL FROM EXCAVATED TRENCH COMACPTED TO PREVENT EXCESSIVE SETTLEMENT IN THE GROUND SURFACE LEVEL. FOR ROAD RESTORATION REFER TO CIV.14 FOR DETAIL.

MINIMUM COVER 'H'		
	ROADWAY	NON ROADWAY
PIPE CLASS	COVER (mm)	COVER (mm)
CLASS 2	650	400
CLASS 3	450	400
CLASS 4	400	400



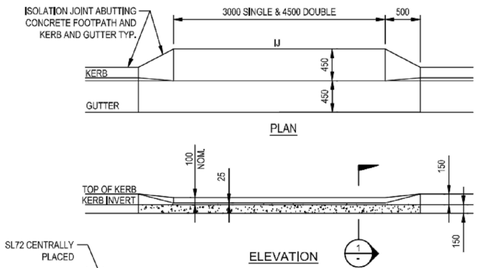
TYPICAL PIPE JOINT DETAIL

COPYRIGHT © 2011 City of Ryde - ALL RIGHTS RESERVED
No part of this document shall be modified or reproduced without written permission.
Go to www.ryde.nsw.gov.au/disclaimer to view the Standard Drawings Disclaimer

'SWD.9.1.1 - TYPICAL PIPE INSTALLATION DETAIL'

DATE: 24.06.16
REVISION A
CITY OF RYDE COUNCIL DETAIL
N.T.S.

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023



NOTES:
1. THIS STANDARD LAYBACK IS TYPICALLY USED FOR ACCESSES TO DOMESTIC MULTI-RESIDENTIAL PROPERTIES.
2. STANDARD LAYBACK SHALL CONSIST OF 150mm MINIMUM THICK REINFORCED CONCRETE OVER 150mm MINIMUM THICKNESS COMPACTED APPROVED ROADBASE.
3. THE LAYBACK SHALL BE STEEL FLOAT FINISHED.
4. EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF 6m MAXIMUM AND 4m MINIMUM, REFER TO CIV.11 FOR JOINTS DETAIL.
5. CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 25MPA MINIMUM.
6. CONCRETE SHALL BE PLACED WITH A MAXIMUM SLUMP OF 80mm.
7. SUBJECT TO APPROVAL FROM COUNCIL'S ENGINEER THE NOMINAL HEIGHT OF DRIVEWAY LAYBACK MAY BE LOWERED TO MINIMUM 75mm TO MEET B85 DESIGN VEHICLE REQUIREMENT.
8. THE COUNCIL ENGINEER REQUIRES 24 HOURS NOTICE PRIOR TO POURING OF CONCRETE TO INSPECT THE FORMWORK, NO CONCRETE SHALL BE POURED UNTIL THE EXCAVATION AND FORMWORK HAVE BEEN INSPECTED.
9. REFER TO CIV.1.2.1 FOR ROAD RESTORATION DETAIL.
10. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE (U.N.O)

COPYRIGHT © 2011 City of Ryde - ALL RIGHTS RESERVED
No part of this document shall be modified or reproduced without written permission.
Go to www.ryde.nsw.gov.au/disclaimer to view the Standard Drawings Disclaimer

'CIV.3.2 - STANDARD DRIVEWAY LAYBACK (REINFORCED)'

DATE: 21.06.18
REVISION C
CITY OF RYDE COUNCIL DETAIL
N.T.S.

NOT FOR CONSTRUCTION

DESIGNED: T. BUGAEV
DRAWN: M. MAI
JOB MANAGER: A. CARVALHAES
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT: COLLIERS INTERNATIONAL
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT: AIC
THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

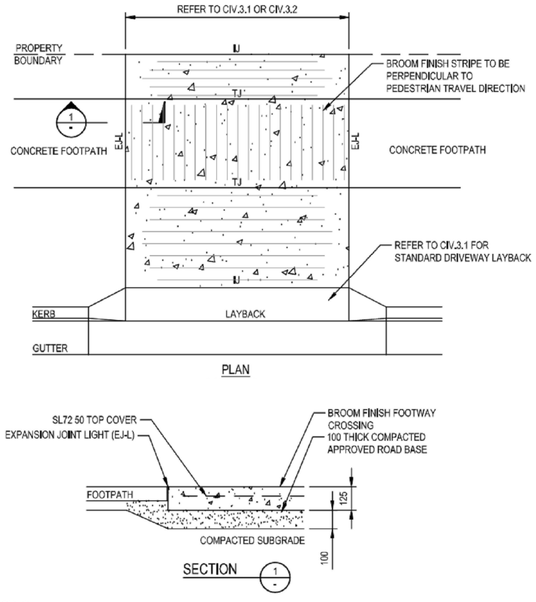
NOT TO SCALE

NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: 17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113

DRAWING TITLE: CIVIL ENGINEERING PACKAGE
DETAILS - SHEET 03

JOB NUMBER: 221505
DRAWING NUMBER: DAC10.03
REVISION: 01
DRAWING SHEET SIZE = A1



PLAN

SECTION

NOTES:

1. LIGHT DUTY FOOTPATH CROSSINGS ARE TYPICALLY USED FOR RESIDENTIAL PROPERTIES.
2. FOOTPATH CROSSINGS SHALL CONSIST OF 125mm THICK BROOM FINISHED REINFORCED CONCRETE WITH SL72 OVER 100mm THICK OF APPROVED ROADBASE.
3. REFER TO CIV.11 FOR JOINT DETAIL.
4. CONCRETE EDGES SHALL BE FINISHED WITH AN EDGING TOOL.
5. CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 25MPA MINIMUM.
6. CONCRETE SHALL BE PLACED WITH A MAXIMUM SLUMP OF 80mm.
7. MINIMUM CONCRETE COVER SHALL BE 40mm UNLESS NOTED OTHERWISE.
8. THE COUNCIL ENGINEER REQUIRES 24 HOURS NOTICE PRIOR TO POURING OF CONCRETE TO INSPECT THE FORMWORK. NO CONCRETE SHALL BE POURED UNTIL THE EXCAVATION AND FORMWORK HAVE BEEN INSPECTED.
9. REFER TO CIV.5 SERIES FOR STANDARD FOOTPATH DETAILS.
10. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

COPYRIGHT © 2011 City of Ryde - ALL RIGHTS RESERVED
No part of this document shall be modified or reproduced without written permission.
Go to www.ryde.nsw.gov.au/disclaimer to view the Standard Drawings Disclaimer

'CIV.4.2 - STANDARD FOOTWAY CROSSING (REINFORCED)'

DATE: 16.06.18
REVISION D
CITY OF RYDE COUNCIL DETAIL
N.T.S.

DESA = $1x10^7$

ROAD PAVEMENT PROFILE

UTILITY TRENCH RESTORATION	
LAYER	THICKNESS
WEARING COURSE AC14 AUS-SPEC 1144. AT INTERSECTIONS AND CURVES, USE AC14 AUS-SPEC 1144 WITH A15E POLYMER MODIFIED BINDER.	50mm
INTERMEDIATE COURSE AC28 R116. THE WIDTH OF INTERMEDIATE COURSE SHALL BE AT LEAST 300MM WIDER THAN THE WIDTH OF THE TRENCH. IF THE MIX IS UNAVAILABLE, AC20 R116 (TWO 75mm THICK LAYERS) IS ACCEPTABLE.	150mm
BASE COURSE DENSELY GRADED BASE OF NOMINAL SIZE 40mm (DGS40) WITH CBR GREATER THAN 80. COMPACTED TO 98% MODIFIED TO AS1289.	200mm
SUB-GRADE COURSE MINIMUM SUBGRADE CBR 10. IF NOT ACHIEVED, PLACE ADDITIONAL 200MM THICK LAYER OF DGS40 OR LIME STABILISE THE SUBGRADE TO A DEPTH OF 200mm TO ACHIEVE CBR 10 OR GREATER. LAY A19 BIDIM GEOFABRIC ON TOP OF THE SUBGRADE. THE SUBGRADE IS TO BE COMPACTED TO 100% STANDARD TO AS1289.	200mm
BEDDING ZONE AS PER UTILITY AUTHORITY'S SPECIFICATIONS.	AS PER UTILITY AUTHORITY'S SPECIFICAITON

NOTES:

1. BASE AND SUB-BASE MATERIAL SHALL COMPLY WITH RMS QA SPECIFICATION 3051 GRANULAR BASE AND SUBBASE MATERIALS FOR SURFACED ROAD PAVEMENTS.
2. BASE AND SUB-BASE MATERIAL SHALL BE MANUFACTURED FROM HARD, DURABLE STONE FREE OF CLAY SLUMPS, ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MATERIALS OF DIFFERENT TYPE OR FROM DIFFERENT SOURCES SHALL BE PLACED AND STORED SEPERATELY.
3. COMPLIANCE TO AUS-SPEC 1152 ROAD OPENINGS AND RESTORATIONS (UTILITIES) AND AUS-SPEC 1151 ROAD OPENINGS AND RESTORATIONS MUST BE ACHIEVED.
4. DESIGN TRAFFIC (DESA) FOR THE PAVEMENT SHALL BE $1X10^7$, DESIGN LIFE OF THE PAVEMENT SHALL BE A MINIMUM OF 40 YEARS WITH A GROWTH FACTOR OF 1.2.
5. PRIOR TO THE ISSUE FOR CONSTRUCTION CIVIL WORKS DRAWINGS, PAVEMENT DESIGN AND A GEOTECHNICAL REPORT SHALL BE SUBMITTED TO COUNCIL FOR APPROVAL.
6. DURING CONSTRUCTION EACH PAVEMENT LAYER IS TO BE TESTED FOR COMPLIANCE AND CERTIFIED BY THE ACCREDITED PROVIDER (NATA REGISTERED).
7. NOMINAL CROSS FALL OF PAVEMENT SHALL BE 3%.
8. WEARING COURSE TO BE EXTENDED UP TO THE GUTTER LIP AND/OR TO THE EDGE OF TRAVEL LANE AS AGREED BY COUNCIL'S RESTORATION OFFICER.

ALL PAVEMENT DESIGNS ARE SUBJECT TO GEOTECHNICAL INVESTIGATION BY AN ACCREDITED PROVIDER (NATA REGISTERED) AND THE DESIGNS TO BE CARRIED OUT IN ACCORDANCE WITH AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY - PART 2: PAVEMENT STRUCTURAL DESIGN (2017). DESIGN TO BE UNDERTAKEN BY A QUALIFIED CIVIL/GEOTECNICAL ENGINEER AND ACCEPTED BY CITY OF RYDE COUNCIL.

COPYRIGHT © 2019 City of Ryde -
ALL RIGHTS RESERVED
No part of this document shall be modified or reproduced without written permission.
Go to www.ryde.nsw.gov.au/disclaimer to view the Standard Drawings Disclaimer.

'CIV.14.3 - TYPICAL PAVEMENT STRUCTURE UTILITY TRENCH RESTORATION'

DATE: 14.08.19
REVISION B
CITY OF RYDE COUNCIL DETAIL
N.T.S.

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA 2023 / 1
Council Officer:Daniel Pearse
Date: 31 July 2023

NOT FOR CONSTRUCTION

DESIGNED: T. BUGAEV
DRAWN: M. MAI
JOB MANAGER: A. CARVALHAES
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR COUNCIL APROVAL	MM		AC	18.05.23

CLIENT: COLLIERS INTERNATIONAL
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT
THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

NOT TO SCALE

NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT
17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113

DRAWING TITLE
CIVIL ENGINEERING PACKAGE

DETAILS - SHEET 04

JOB NUMBER: **221505**
DRAWING NUMBER: **DAC10.04**
REVISION: **01**
DRAWING SHEET SIZE = A1

PUMPING OF SITE WATER TO THE PUBLIC DRAINAGE SERVICE WILL REQUIRE APPROVAL FROM COUNCIL AS PER SECTION 138 OF THE ROADS ACT.

INSTALL TEMPORARY SITE PERIMETER SECURITY FENCE AND MAINTAIN WITH DUST PREVENTION CLOTH.

INDICATIVE LOCATION OF TEMPORARY SITE STOCKPILE. PROVIDE SEDIMENT FENCE TO DOWNSTREAM SIDE. COVER WHEN NOT IN USE

PROVIDE WIRE MESH AND GRAVEL SEDIMENT FILTER DOWNSTREAM. REFER TO DETAIL.

INSTALL AND MAINTAIN TEMPORARY TYPE 'F' SEDIMENT BASIN IN ACCORDANCE WITH 'THE BLUE BOOK' FINAL LOCATION TO BE COORDINATED BY THE CONTRACTOR. APPROXIMATE VOLUME = 101m³. REFER DETAIL

SITE ACCESS LOCKABLE CHAINWIRE GATE

TEMPORARY CONTRACTORS VEHICULAR ACCESS POINT. PROVIDE STABILISED SITE ACCESS AND CATTLE GRID IN ACCORDANCE WITH THE 'BLUE BOOK'. REFER TO DETAIL.

PROVIDE WIRE MESH AND GRAVEL SEDIMENT FILTER TRAPS FOR ALL EXISTING AND PROPOSED KERB INLET PITS. REFER TO DETAIL.

CONTRACTOR TO PROVIDE 'GEOTEXTILE INLET FILTER TRAPS' TO ALL STORMWATER DRAINAGE INLETS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'. REFER TO DETAIL.

PROVIDE SEDIMENT FENCE TO DOWNSTREAM BOUNDARY OF SITE. REFER TO DETAIL.

CONSTRUCT TEMPORARY DRAINAGE SWALE TO DIVERT FLOW TO TEMPORARY SEDIMENT BASIN. (TYP).

ROAD

HERRING

AVENUE

LACHLAN

BUS SHELTER

LEGEND

- EXISTING BOUNDARY LINE
- REDUNDANT BOUNDARY LINE
- EASEMENT LINE
- BASEMENT EXTENT
- E — EXISTING ELECTRICITY
- G — EXISTING GAS
- NBN — EXISTING NBN
- SW — EXISTING STORMWATER
- S — EXISTING SEWER
- EXISTING CONTOURS
- SEDIMENT FENCE
- SECURITY FENCE
- SECURITY GATE
- WIRE MESH AND GRAVEL SEDIMENT FILTER
- GEOTEXTILE INLET FILTER TRAP
- STRAW BALE FILTER
- TEMPORARY DRAINAGE SWALE
- STABILISED SITE ACCESS
- STOCKPILE
- SEDIMENT BASIN

GENERAL NOTES:

1. REFER SPECIFICATIONS NOTES FOR SEDIMENT AND SOIL EROSION CONTROL GENERAL REQUIREMENTS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
3. ALL SEDIMENT AND SOIL EROSION CONTROL MEASURES TO BE INSTALLED IN ACCORDANCE WITH THE 'BLUE BOOK'. CONTRACTOR TO ENSURE THESE MEASURES ARE IN PLACE AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION WORKS.
4. CONTRACTOR TO PROVIDE 'WIRE MESH AND GRAVEL SEDIMENT FILTER' TO ALL PAVED / ROAD AREAS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
5. CONTRACTOR TO PROVIDE 'GEOTEXTILE INLET FILTER TRAPS' TO ALL STORMWATER DRAINAGE INLETS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'
6. ALL PITS OPEN TO ATMOSPHERE TO BE PROTECTED IN ACCORDANCE WITH THE 'BLUE BOOK'

SEDIMENT BASIN CALCULATIONS

PARAMETER	ADOPTED VALUE
TOTAL DISTURBED AREA (ha)	0.3901
SOIL TEXTURE GROUP	D or F
DESIGN RAINFALL DEPTH (DAYS)	5
DESIGN RAINFALL DEPTH (PERCENTILE)	80%
x-DAY, y-PERCENTILE RAINFALL EVENT	29.5
Cv	0.42
SETTLING ZONE VOLUME (m^3)	48.333
SEDIMENT STORAGE VOLUME (m^3)	52.254
TOTAL BASIN VOLUME (m^3)	101m^3

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA2023/1
Council Officer:Daniel Pearse
Date: 31 July 2023

NOT FOR CONSTRUCTION

DESIGNED: T.BUGAEV
DRAWN: M.MAI
JOB MANAGER: A.CARVALHAES
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DRAFT DEVELOPMENT APPLICATION	MM		AC	14.11.22
02	ISSUED FOR DEVELOPMENT APPLICATION	MM		AC	22.11.22

CLIENT: COLLIERS INTERNATIONAL

DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT

THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

SCALE 1:200@ A1 (0 2 4 6 8 10m)

NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: **17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113**

DRAWING TITLE: **CIVIL ENGINEERING PACKAGE**

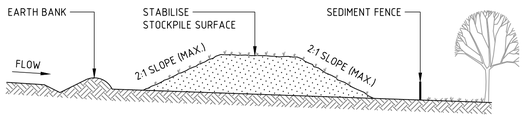
CONCEPT SEDIMENT AND SOIL EROSION CONTROL PLAN

JOB NUMBER: **221505**

DRAWING NUMBER: **DAC02.01**

REVISION: **02**

DRAWING SHEET SIZE = A1



CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

STOCKPILE

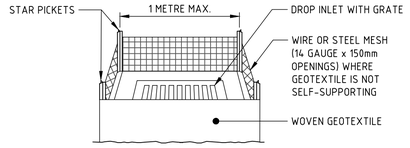


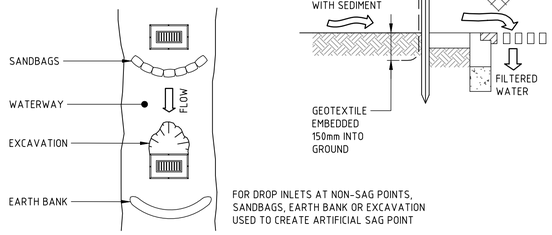
CONSTRUCTION NOTES

1. BUILD WITH GRADIENTS BETWEEN 1 AND 5 PERCENT.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

NOTE: ONLY TO BE USED AS TEMPORARY BANK
WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.

TEMPORARY DRAINAGE SWALE



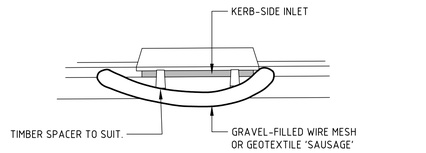


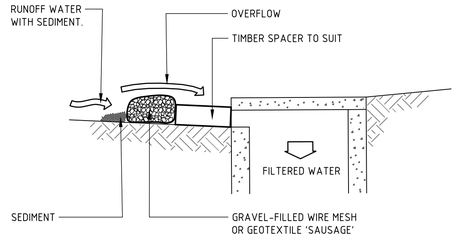
FOR DROP INLETS AT NON-SAG POINTS, SANDBAGS, EARTH BANK OR EXCAVATION USED TO CREATE ARTIFICIAL SAG POINT

CONSTRUCTION NOTES

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER TRAPS



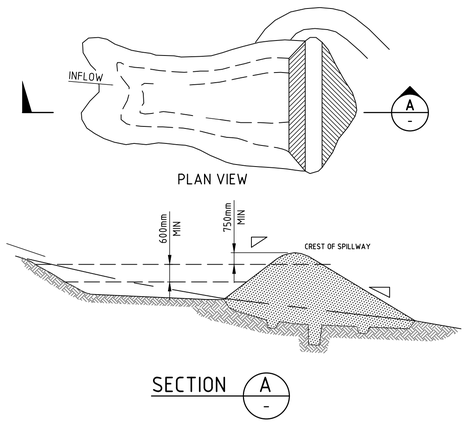


NOTE:THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN APPROVED SWMP/ESCP.

CONSTRUCTION NOTES

1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

WIRE MESH AND GRAVEL SEDIMENT FILTER

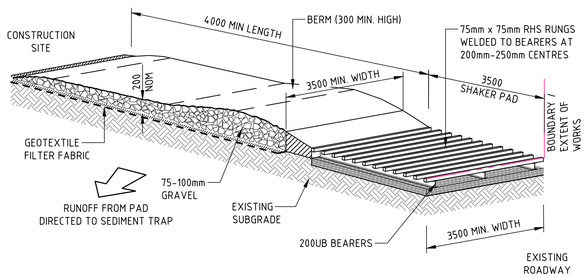


CONSTRUCTION NOTES

1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95 PER CENT STANDARD PROCTOR DENSITY.
4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL.
5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100mm TO HELP BOND COMPACTED FILL TO THE EXISTING SUBSTRATE.
6. SPREAD THE FILL IN 100mm TO 150mm LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING THE SWMP.
7. CONSTRUCT THE EMERGENCY SPILLWAY.
8. REHABILITATE THE STRUCTURE FOLLOWING THE SWMP.

(APPLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY)

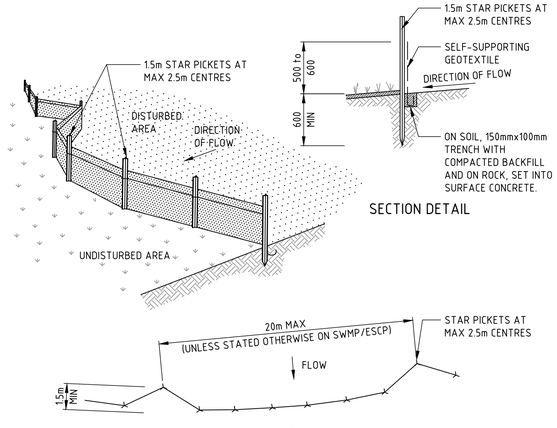
SEDIMENT BASIN



CONSTRUCTION NOTES

1. THE TEMPORARY ACCESS SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY,
   - THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT,
2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.
3. INSTALL BARRIER ON EITHER SIDE OF SHAKER PAD. TO ENSURE VEHICLES ARE GUIDED ON TO THE PAD.
4. INVERT OF SHAKER PAD TO BE DRAINED VIA AGRICULTURAL PIPE WRAPPED IN GEOTEXTILE FABRIC.

STABILISED SITE ACCESS



CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

SEDIMENT FENCE

City of Ryde
Development Engineering Service
Approved Engineering Plans
Application Number:LDA2023/1
Council Officer:Daniel Pearse
Date: 31 July 2023

DESIGNED: T. BUGAEV
DRAWN: M. MAI
JOB MANAGER: A. CARVALHAES
VERIFIER:

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DRAFT DEVELOPMENT APPLICATION	MM		AC	14.11.22
02	ISSUED FOR DEVELOPMENT APPLICATION	MM		AC	22.11.22

CLIENT: COLLIERS INTERNATIONAL

DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT: AIC

THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK.
NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.
THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

NOT TO SCALE

NORTHROP
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT: **17-21 LACHLAN AVENUE & 163 HERRING ROAD, MACQUARIE PARK NSW 2113**

DRAWING TITLE: **CIVIL ENGINEERING PACKAGE**

SEDIMENT AND SOIL EROSION CONTROL DETAILS

JOB NUMBER: **221505**

DRAWING NUMBER: **DAC02.11**

REVISION: **02**

DRAWING SHEET SIZE = A1