DEVELOPMENT APPLICATION

PROJECT:
IVANHOE ESTATE (LOT C1)
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

PROJECT No:
5800

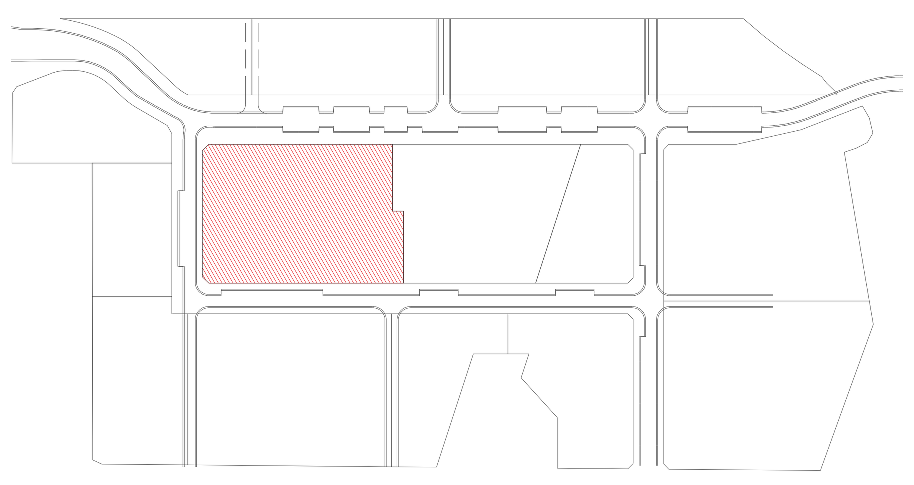
DATE:
26 NOVEMBER 2018

ISSUE:
A

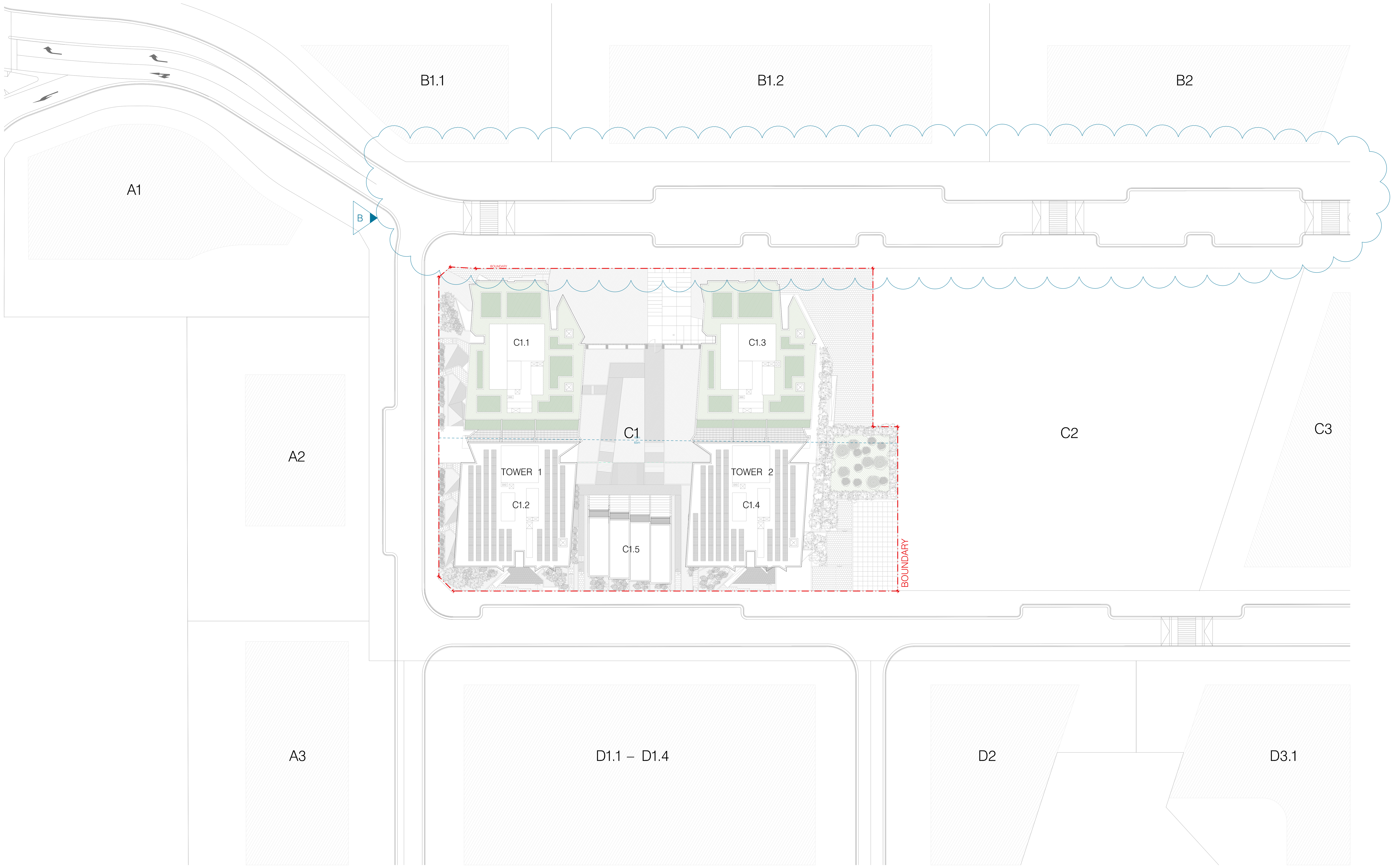
ARCHITECT:

CANDALEPAS
ASSOCIATES
309 SUSSEX STREET
SYDNEY NSW 2000
T: 9283 7755 F: 9283 7477

LOCATION PLAN:



DRAWING SCHEDULE



01 SITE PLAN
1:500

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

FOR DA PURPOSES ONLY

NOT FOR CONSTRUCTION

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E: architects@candalepas.com.au
NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:500@A1 / 1:1000@A3
0 50 100 200m

NORTH

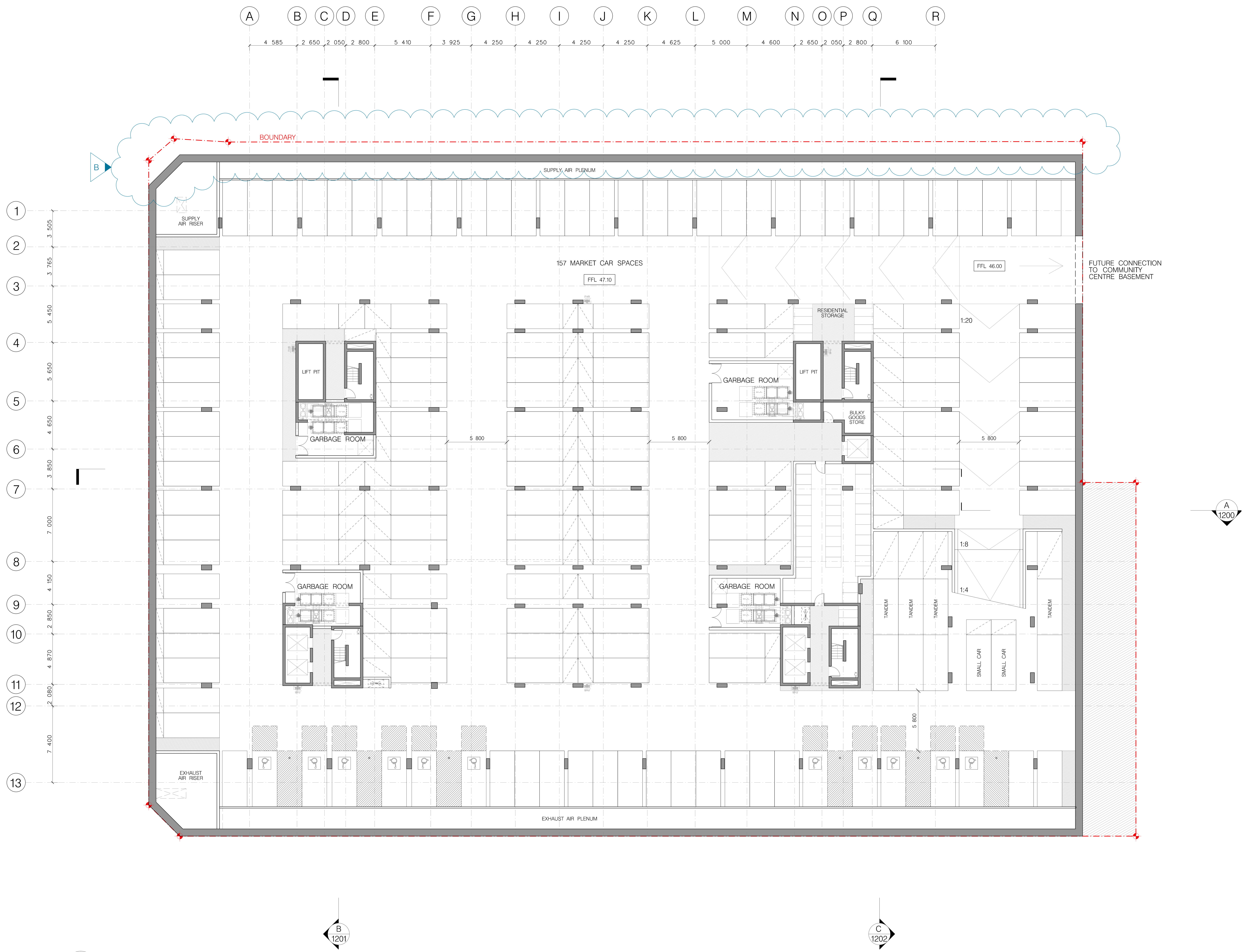
DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING: SITE PLAN

DRAWING No. DA – 1050

JOB No. 5800

ISSUE B.



01 BASEMENT 3 FLOOR PLAN
1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
BASEMENT 3 FLOOR PLAN

DRAWING No.
DA – 1102

JOB No.
5800

ISSUE
B.

01 BASEMENT 2 FLOOR PLAN

1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3

0 5m 10m

NORTH

DATE: SEP 2019

CHECKED 1: SS

CHKD2/APPD: EP

DRAWN BY: SS

DRAWING:
BASEMENT 2 FLOOR PLAN

DRAWING No.
DA – 1103

JOB No. 5800

ISSUE B.

01 BASEMENT 1 FLOOR PLAN
1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

FOR DA PURPOSES ONLY
NOT FOR CONSTRUCTION

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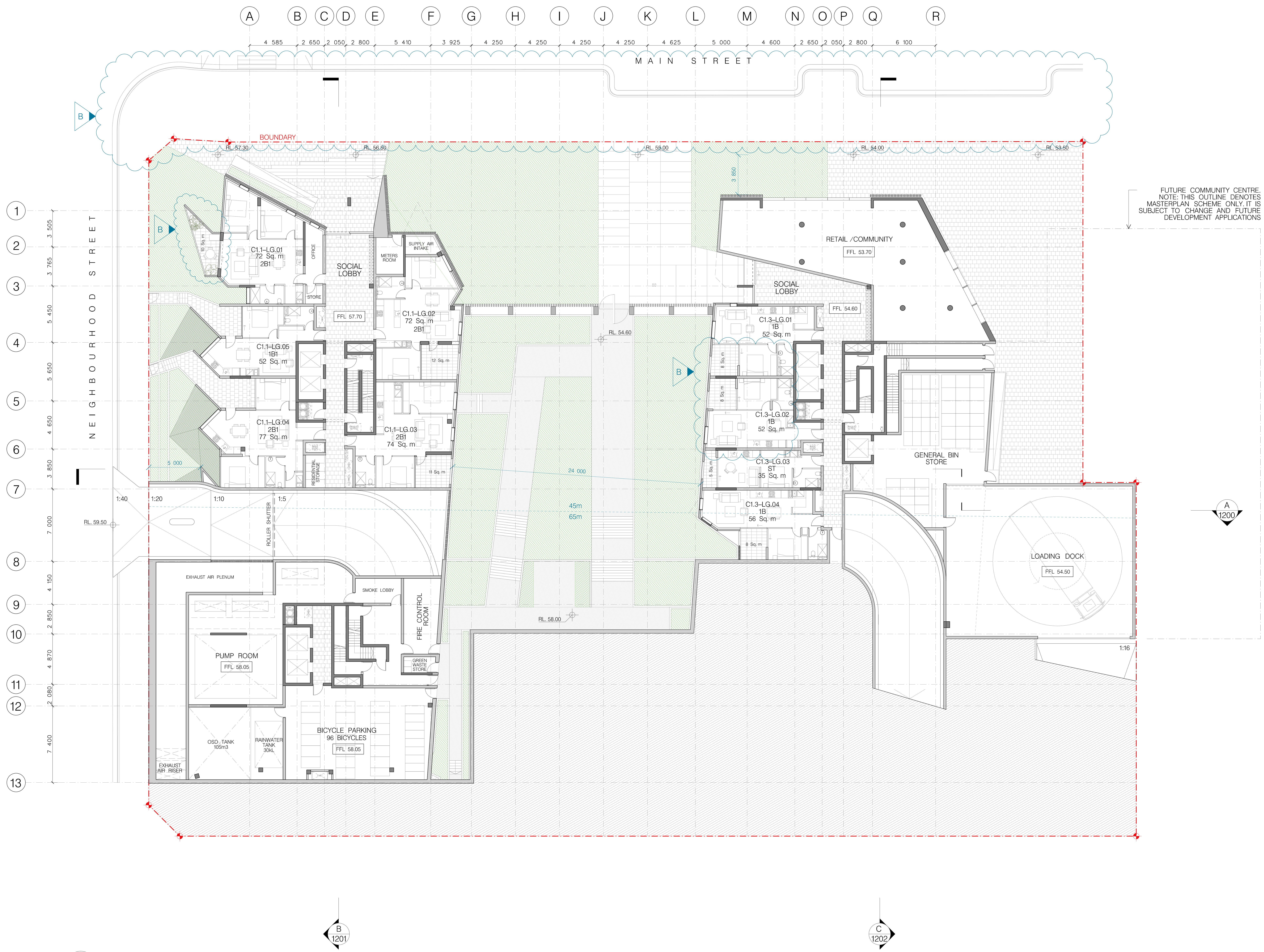
NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK
CLIENT:
FRASERS PROPERTY IVANHOE
SCALE: 1:200@A1 / 1:400@A3
0 5m 10m
NORTH

DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
BASEMENT 1 FLOOR PLAN
DRAWING No.
DA – 1104
JOB No. 5800
ISSUE B.



01 LOWER GROUND FLOOR PLAN
1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

FOR DA PURPOSES ONLY

NOT FOR CONSTRUCTION

ARCHITECT:
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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
LOWER GROUND FLOOR PLAN

DRAWING No.
DA – 1105

JOB No. 5800

ISSUE B.

01 UPPER GROUND FLOOR PLAN
1:200

B.	16.09.19	FOR SSDA TO LAHC	
A.	26.11.18	FOR SSDA TO LAHC	
Issue	Date	Description	Drawing Original Size A1

FOR DA PURPOSES ONLY

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

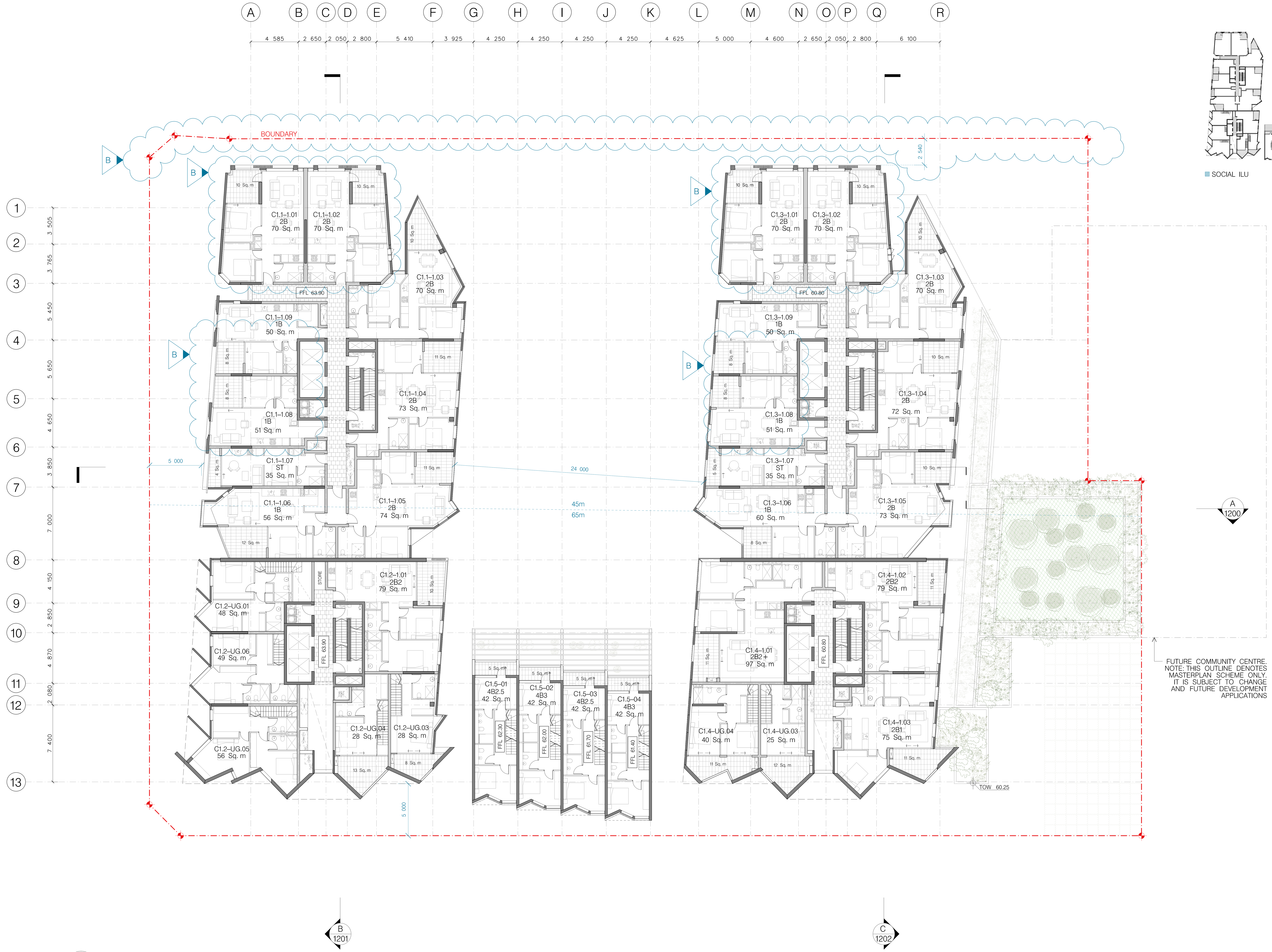
DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

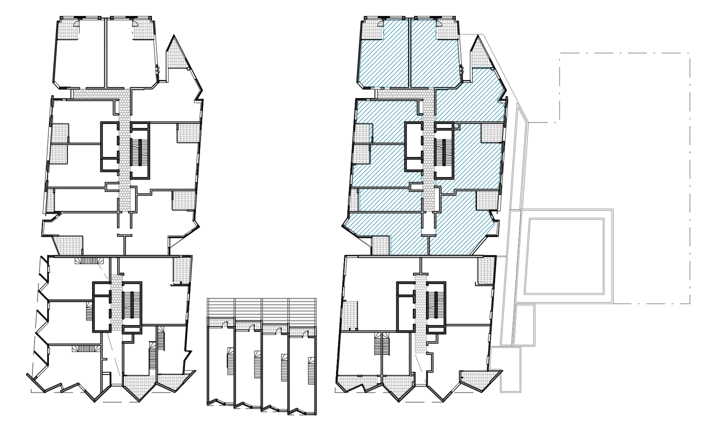
DRAWING:
UPPER GROUND FLOOR PLAN

DRAWING No.
DA – 1106

JOB No.
5800

ISSUE
B.





01 LEVEL 1 FLOOR PLAN
1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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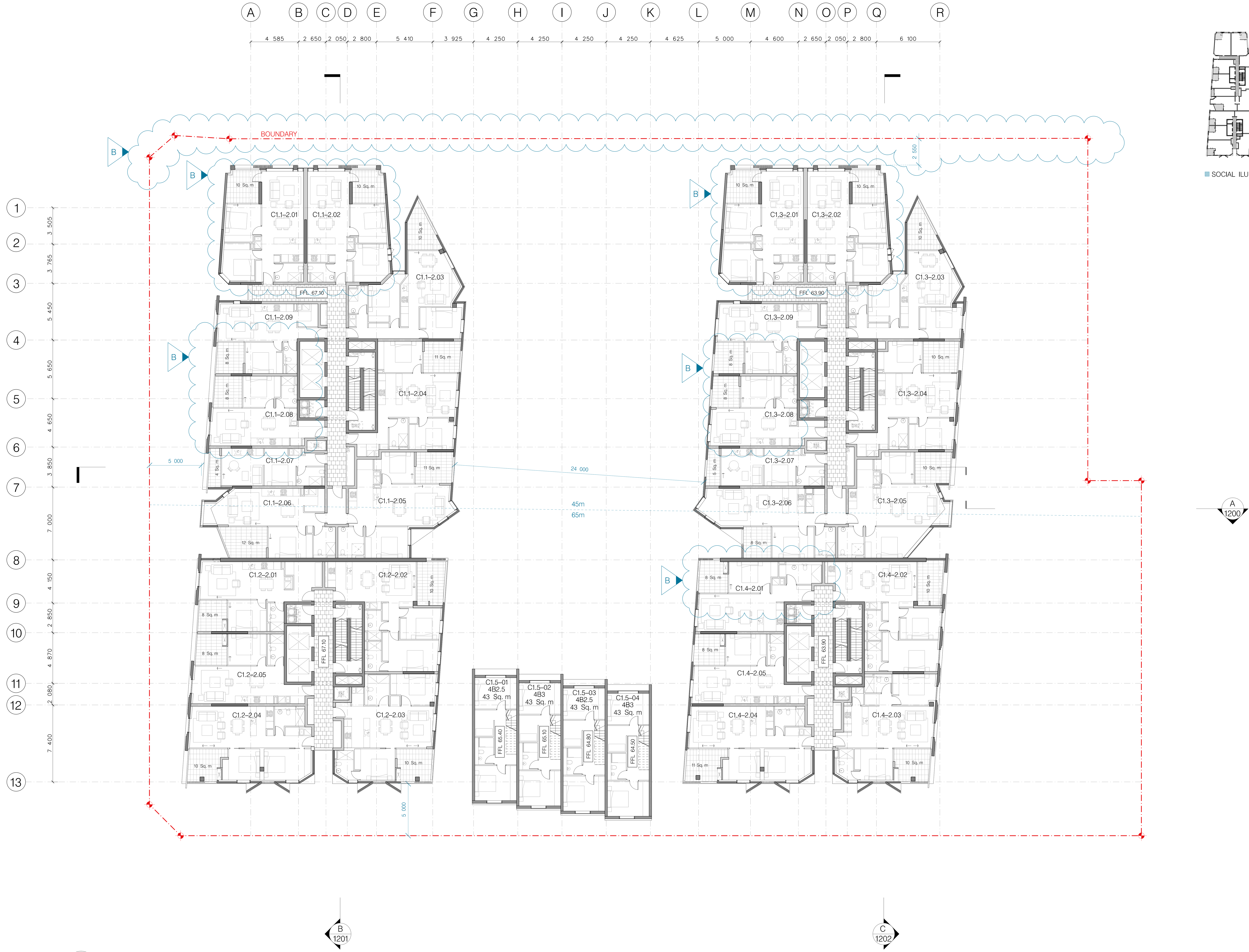
PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK
CLIENT:
FRASERS PROPERTY IVANHOE
SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
LEVEL 1 FLOOR PLAN
DRAWING No. DA – 1107
JOB No. 5800
ISSUE B.



01 LEVEL 2 FLOOR PLAN
1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

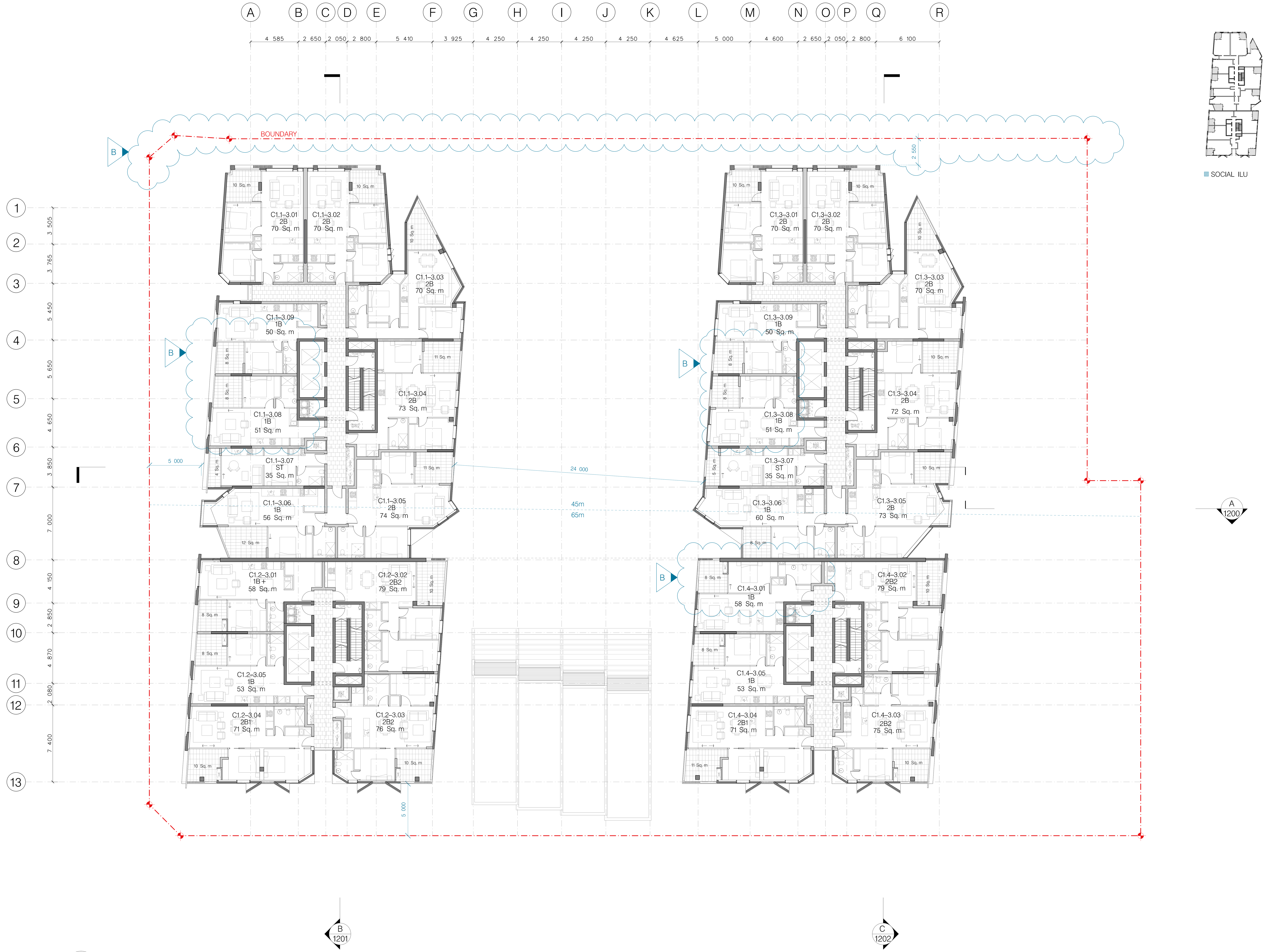
DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
LEVEL 2 FLOOR PLAN

DRAWING No.
DA – 1108

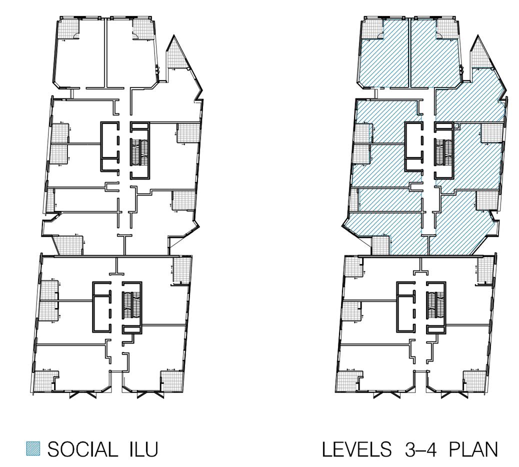
JOB No.
5800

ISSUE
B.



01 LEVEL 3 – 4 FLOOR PLAN

1:200



Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

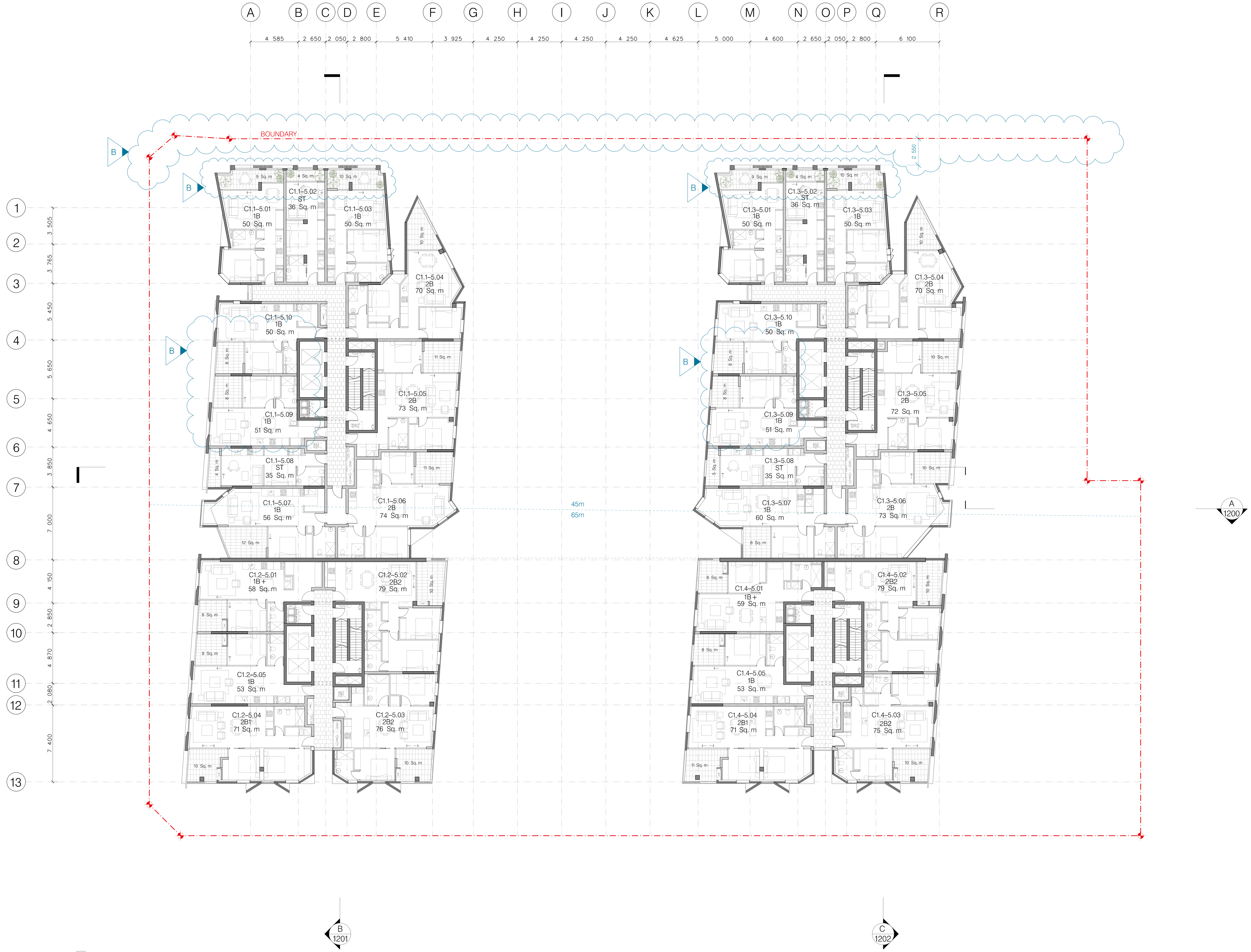
DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
LEVEL 3 – 4 FLOOR PLAN

DRAWING No.
DA – 1109

JOB No. 5800

ISSUE B.



01 LEVEL 5 – 12 FLOOR PLAN
1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

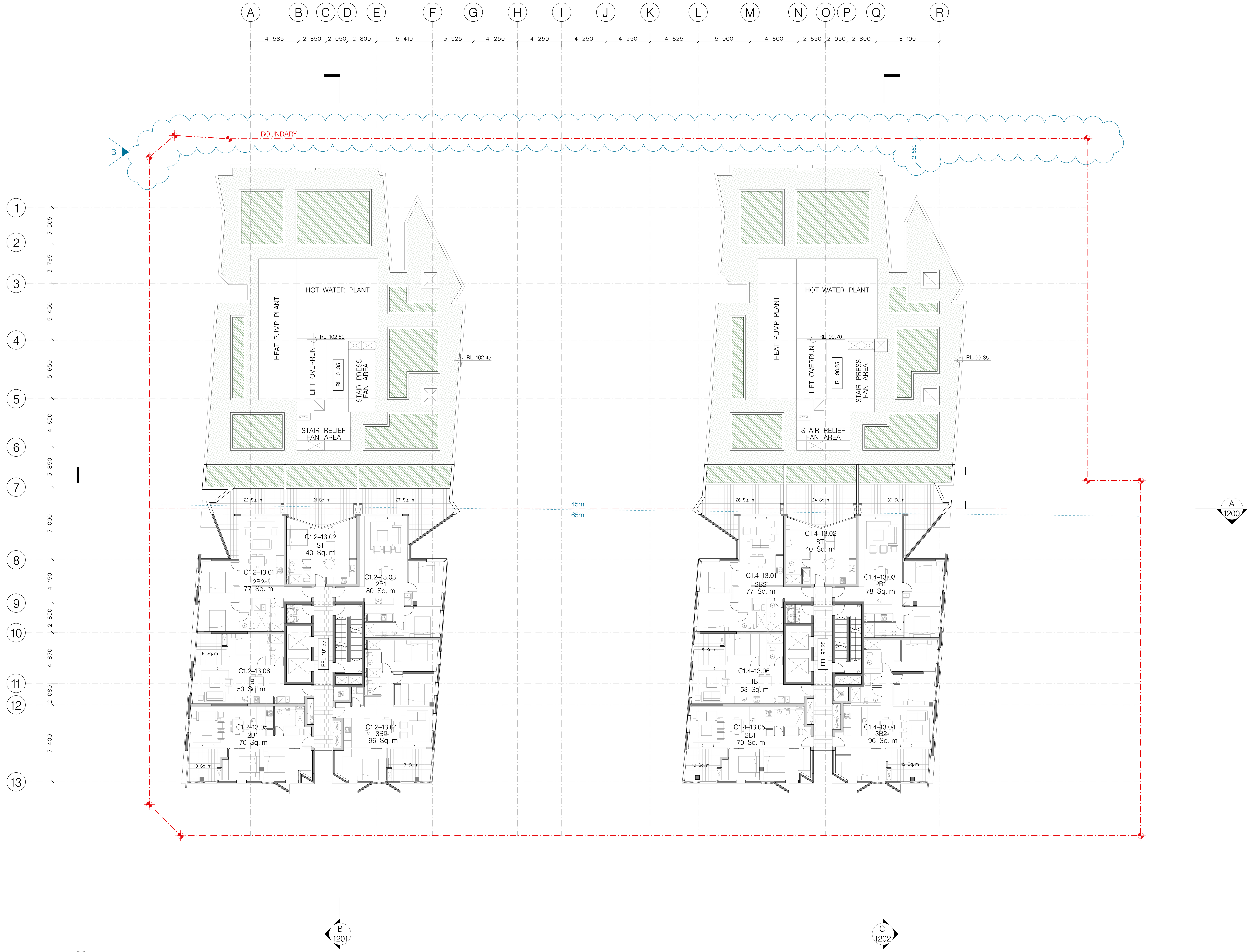
DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
LEVEL 5 – 12 FLOOR PLAN

DRAWING No.
DA – 1110

JOB No.
5800

ISSUE
B.



01 LEVEL 13 FLOOR PLAN

1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

DATE: SEP 2019

CHECKED 1: SS

CHKD2/APPD: EP

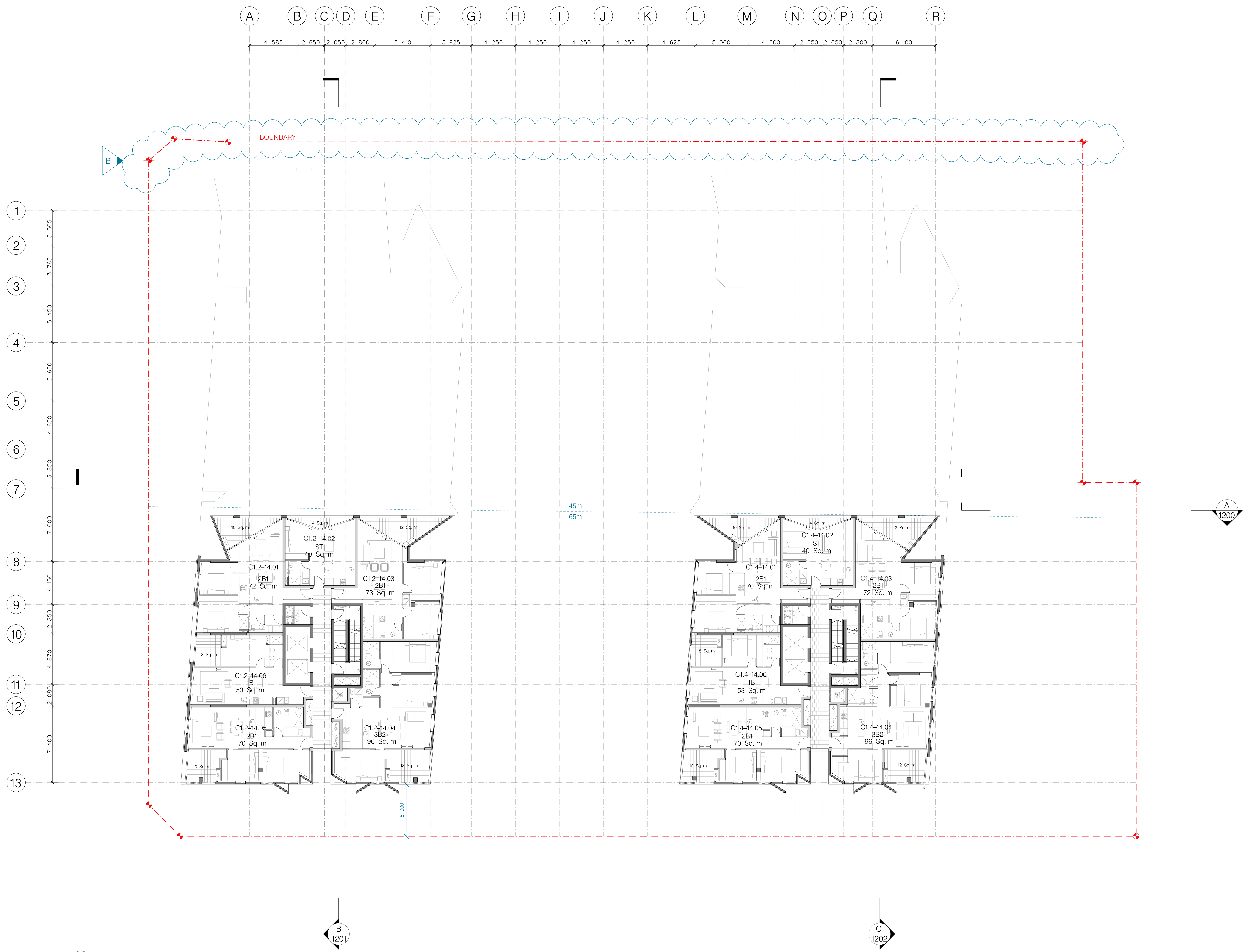
DRAWN BY: SS

DRAWING:
LEVEL 13 FLOOR PLAN

DRAWING No.
DA – 1111

JOB No. 5800

ISSUE B.



01
LEVEL 14 – 19 FLOOR PLAN
1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

DATE:
SEP 2019

CHECKED 1:
SS

CHKD2/APPD:
EP

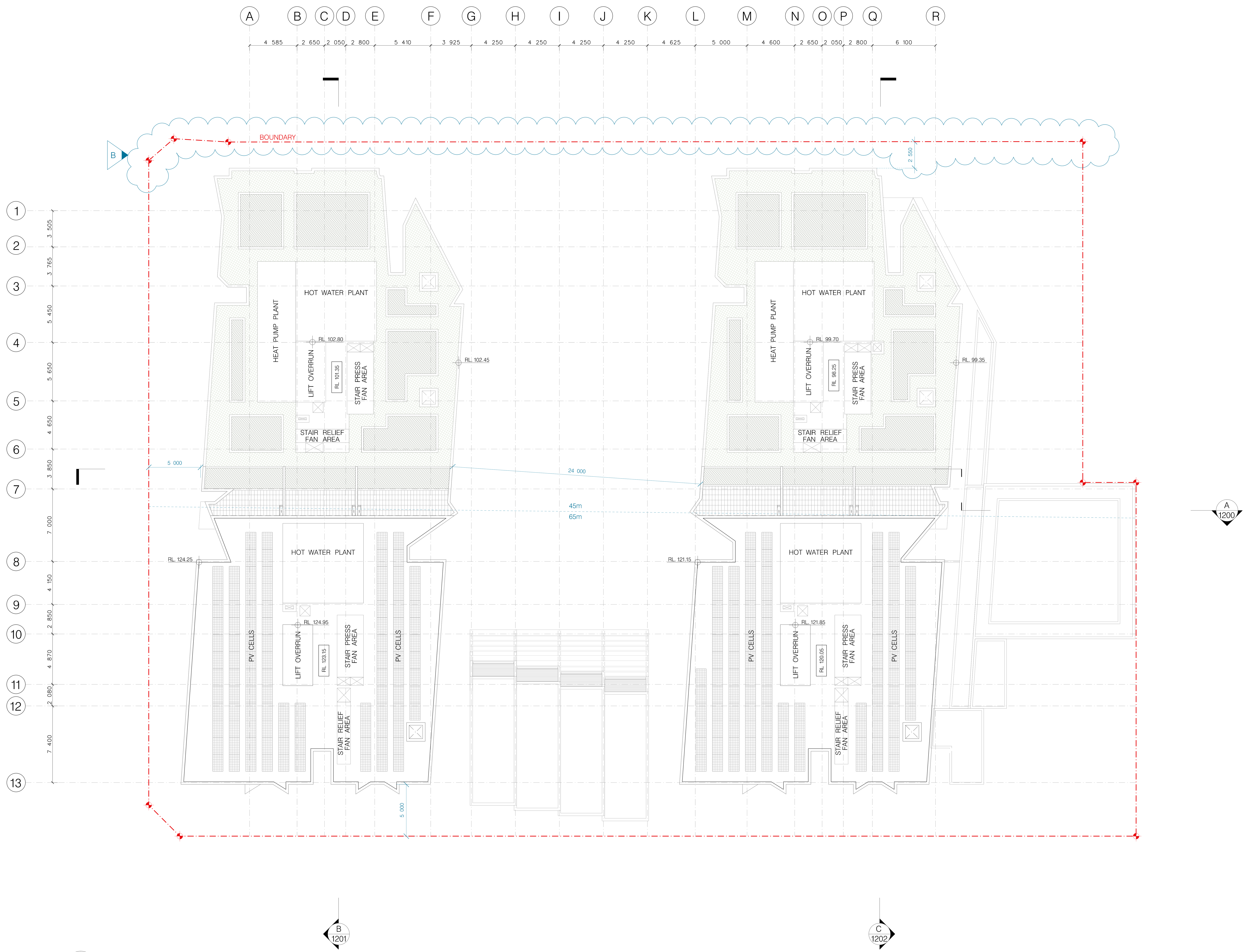
DRAWN BY:
SS

DRAWING:
LEVEL 14 – 19 FLOOR PLAN

DRAWING No.
DA – 1112

JOB No.
5800

ISSUE
B.



01 ROOF PLAN

1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

NORTH

DATE:
SEP 2019

CHECKED 1:
SS

CHKD2/APPD:
EP

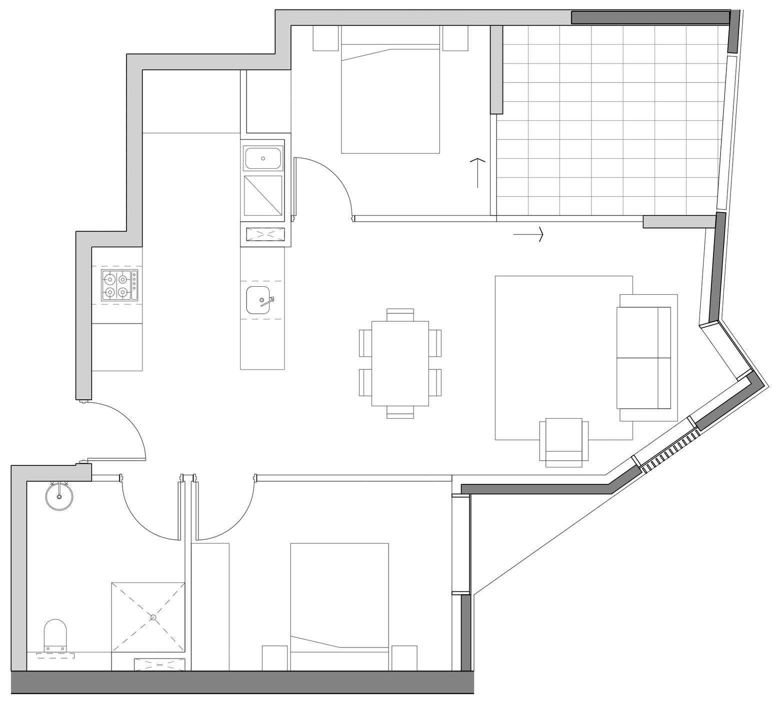
DRAWN BY:
SS

DRAWING:
ROOF PLAN

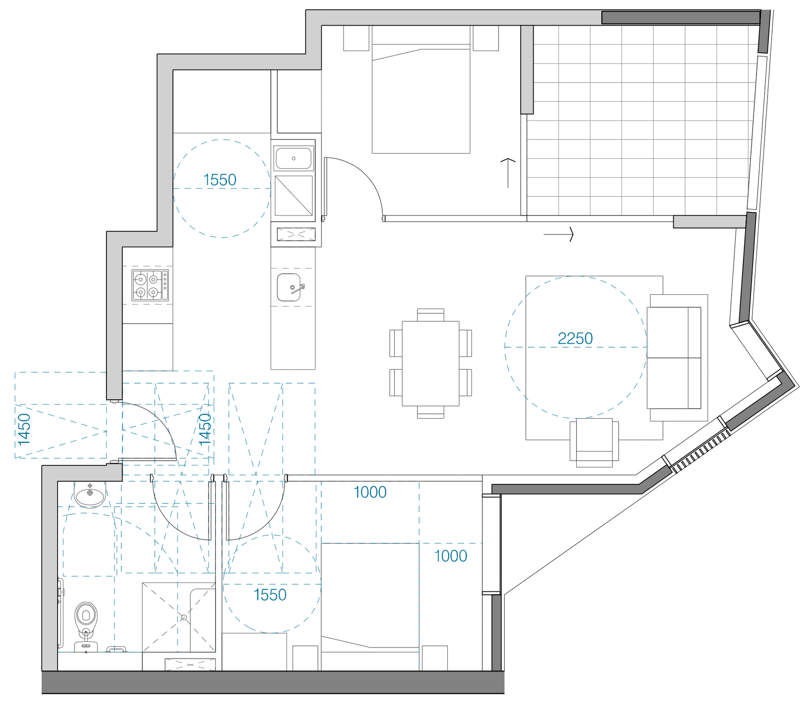
DRAWING No.
DA – 1113

JOB No.
5800

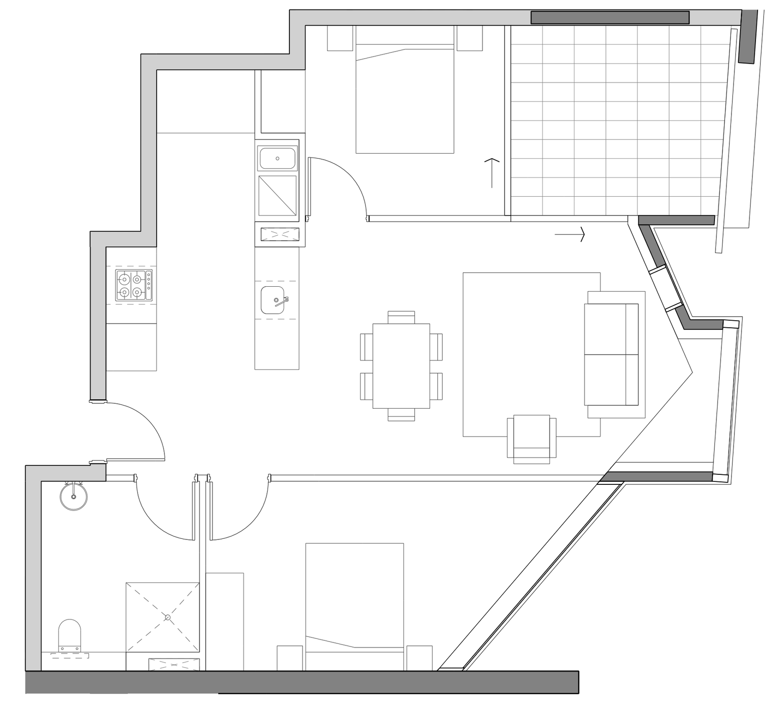
ISSUE
B.



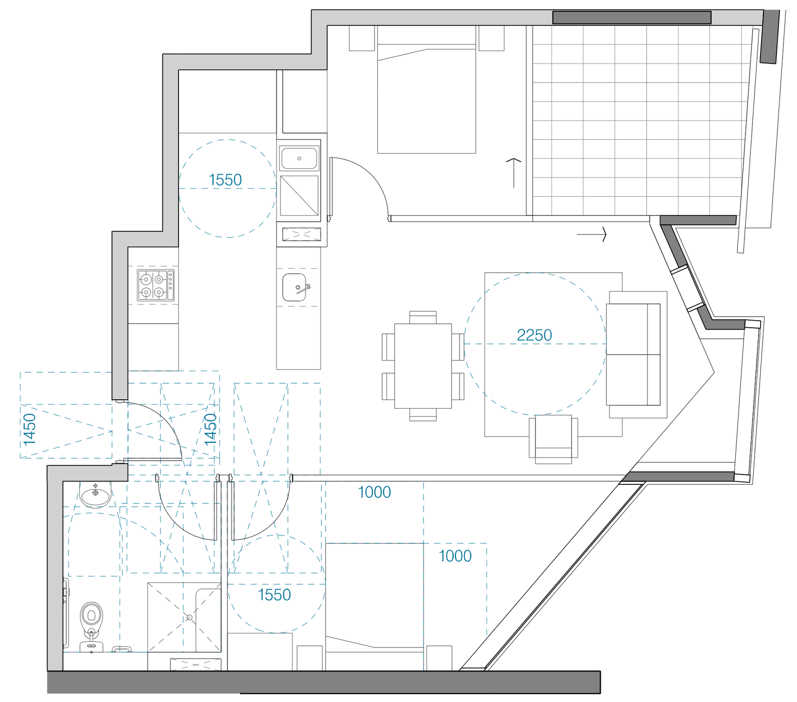
01 2–BED UNIT PRE ADAPTATION
1:100 13x SOCIAL UNITS LEVELS UG–12



02 2–BED UNIT POST ADAPTATION
1:100 13x SOCIAL UNITS LEVELS UG–12

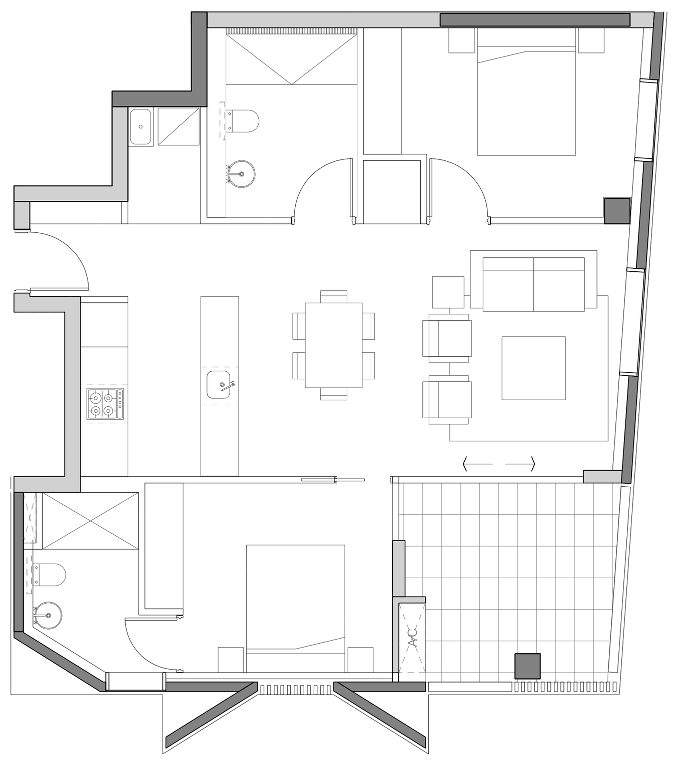


03 2–BED UNIT PRE ADAPTATION
1:100 13x SOCIAL UNITS LEVELS UG–12

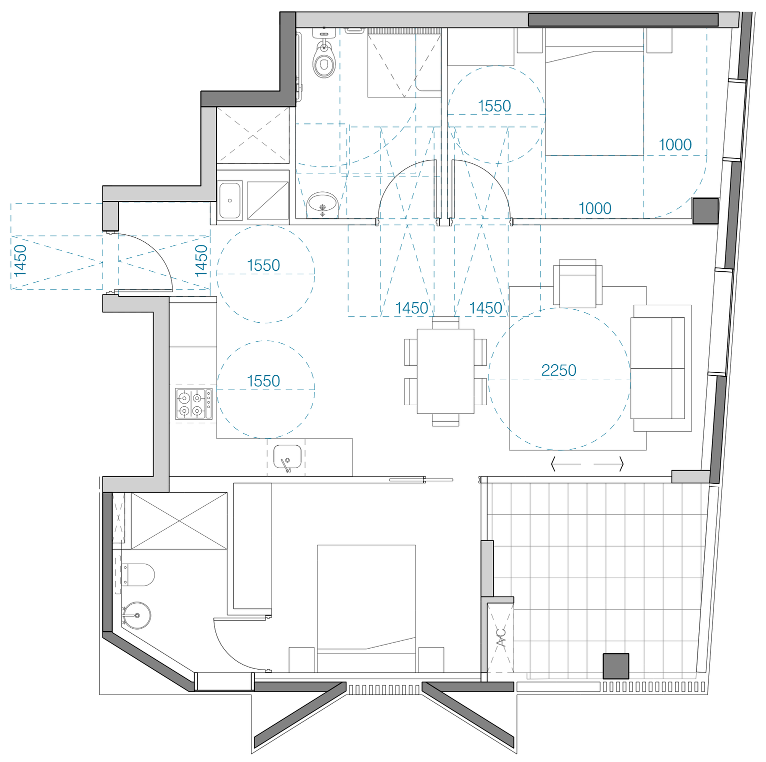


04 2–BED UNIT POST ADAPTATION
1:100

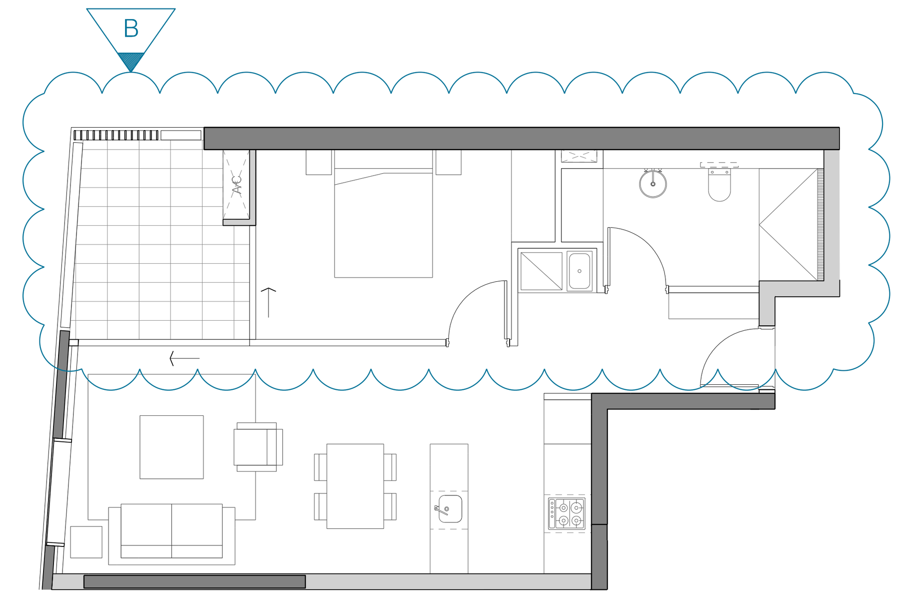
09 TYPICAL FLOOR KEY PLAN
1:750



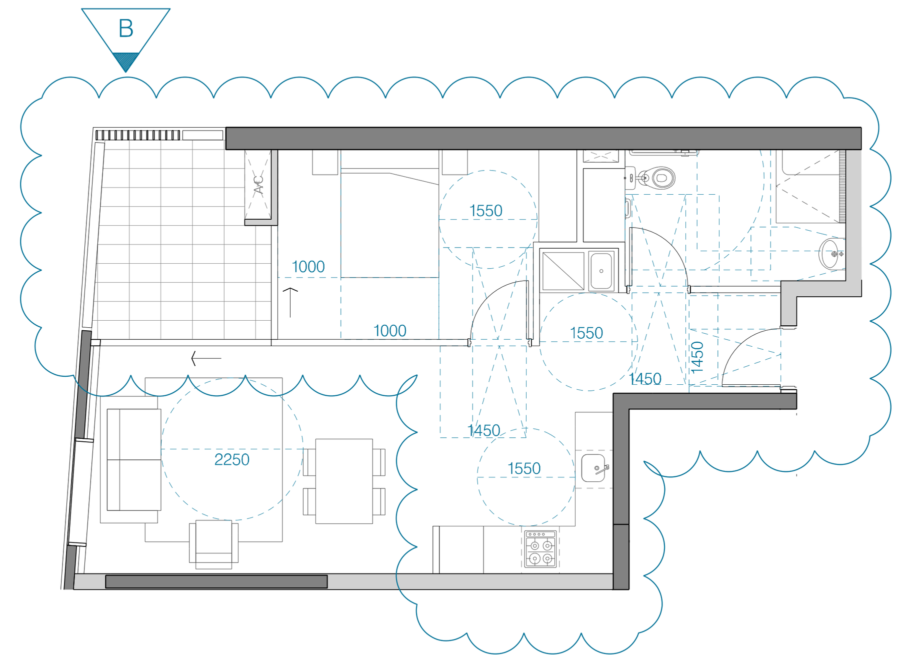
05 2–BED UNIT PRE ADAPTATION
1:100



06 2–BED UNIT POST ADAPTATION
1:100 8x MARKET UNITS LEVELS 2–9



07 1–BED UNIT PRE ADAPTATION
1:100



08 1–BED UNIT POST ADAPTATION
1:100 3x UNITS LEVELS 2–4

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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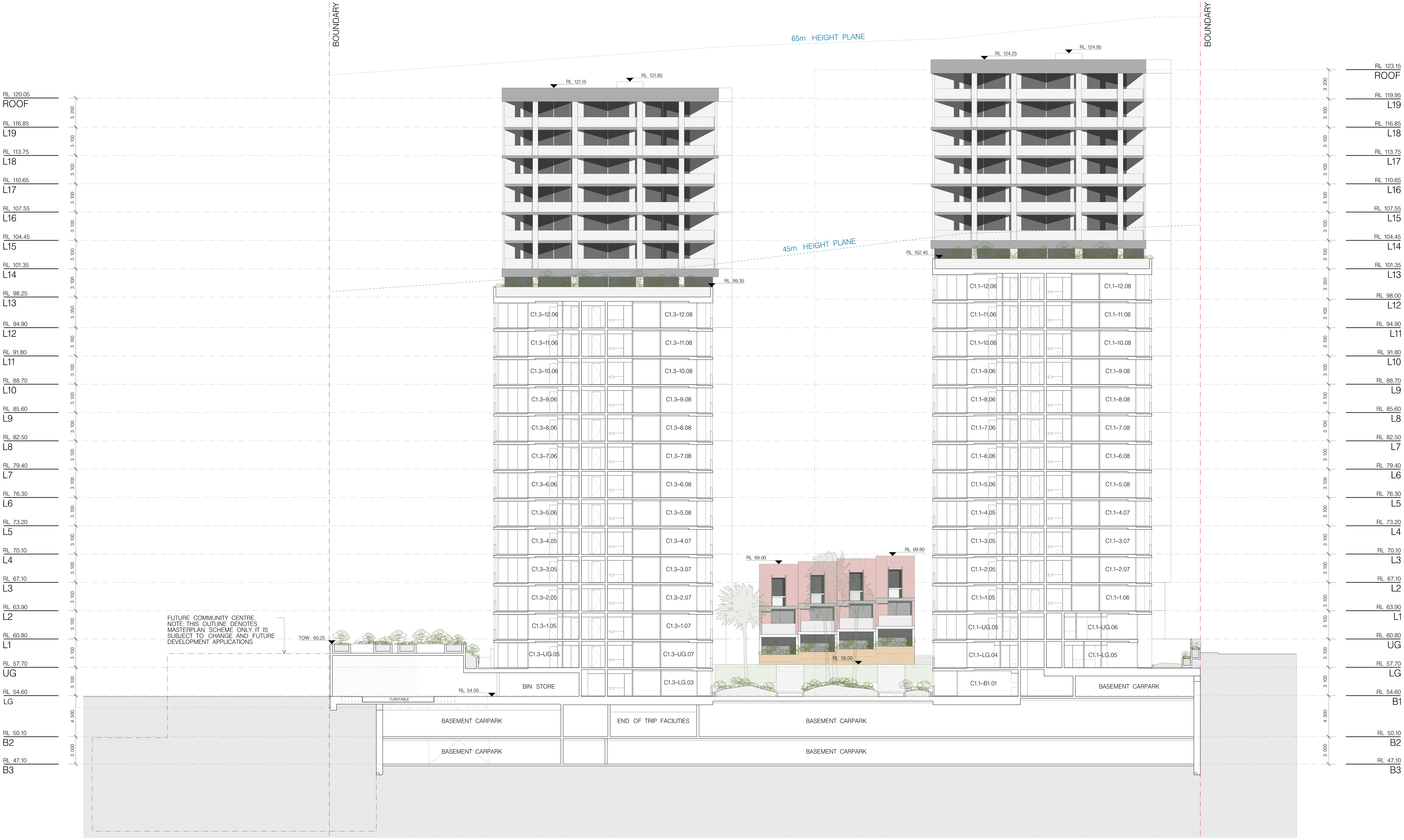
PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK
CLIENT:
FRASERS PROPERTY IVANHOE
SCALE: 1:100@A1 / 1:200@A3
0 0.5m 1m 2m 4m

NORTH

DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
ADAPTABLE UNIT FLOOR PLANS
DRAWING No.
DA – 1150

JOB No. 5800
ISSUE B.



01 SECTION A

1:200

A	26.11.18	FOR SSDA TO LAHC
Issue	Date	Description

Drawing Original Size A1

FOR DA PURPOSES ONLY

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NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

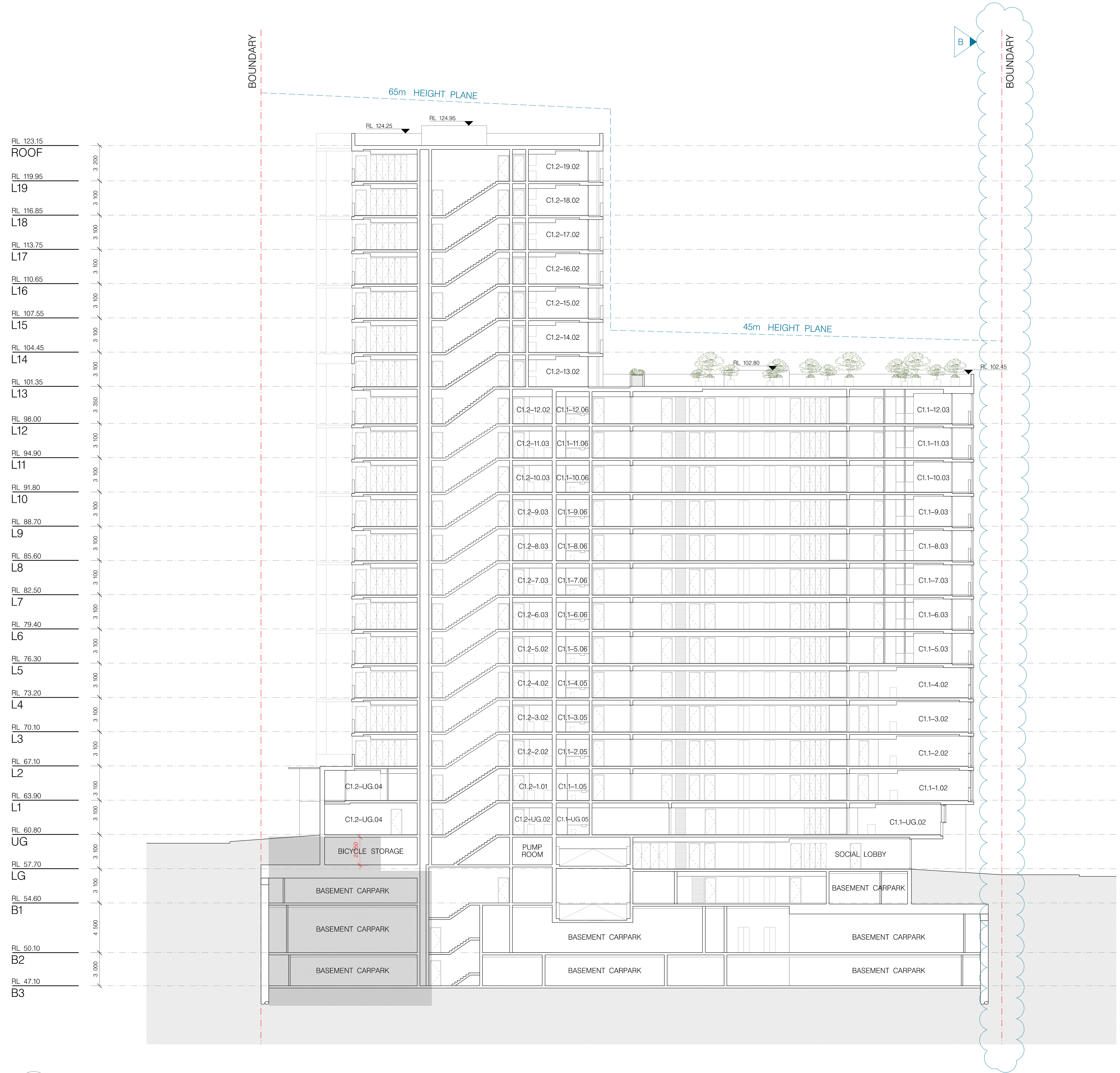
DATE: NOV 2018
CHECKED 1: LM
CHKD2/APPD: –
DRAWN BY: LM

DRAWING: SECTION A

DRAWING No. DA – 1200

JOB No. 5800

ISSUE A



01 SECTION B
1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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NSW ARCHITECTS REG No. – 5773

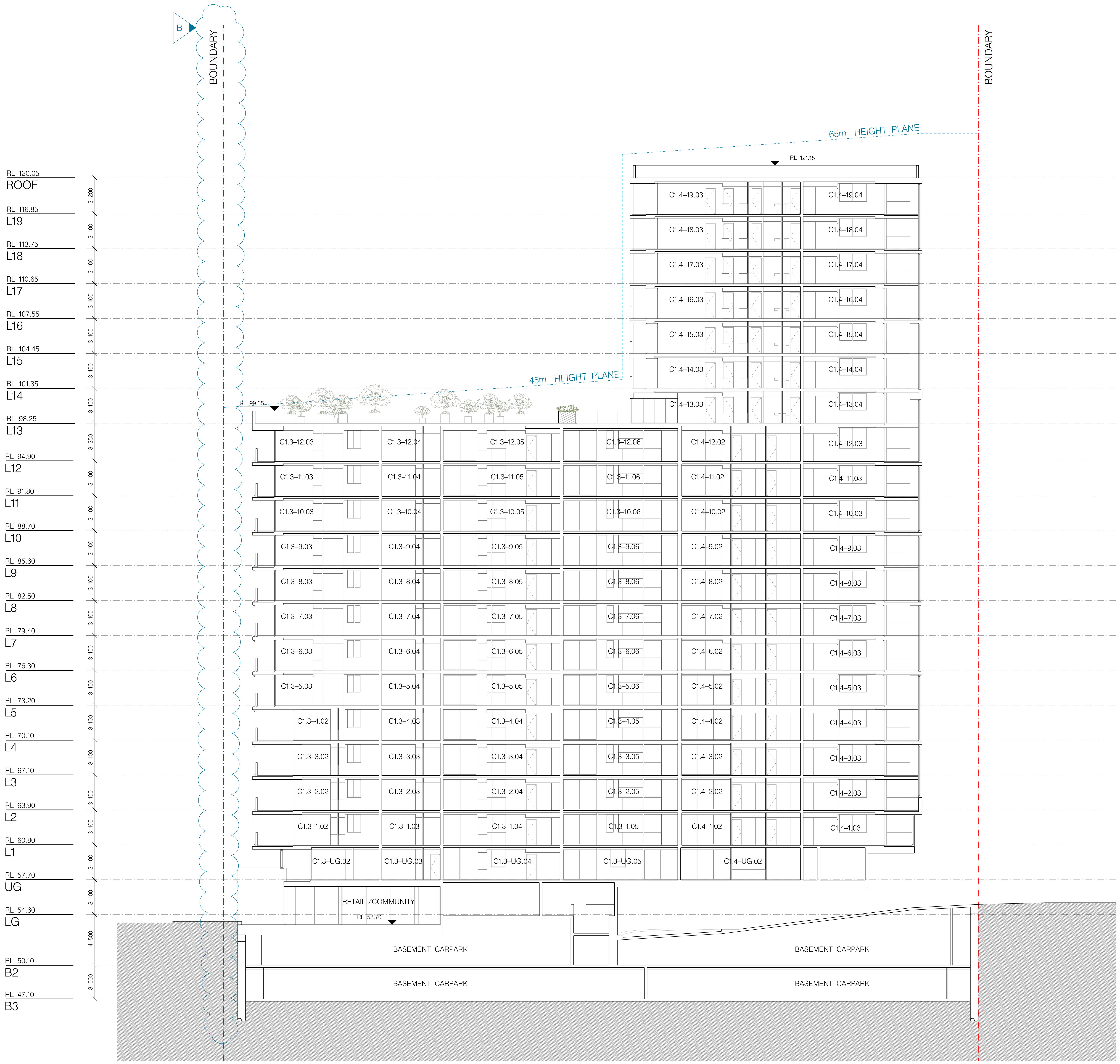
PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING: SECTION B
DRAWING No. DA – 1201
JOB No. 5800
ISSUE B.



01 SECTION C
1:200

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

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E: architects@candalepas.com.au
NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING: SECTION C

DRAWING No. DA – 1202

JOB No. 5800

ISSUE B.

01 NORTH EAST ELEVATION
1:200

Ⓐ OFF-FORM CONCRETE
ALL SAINTS PRIMARY SCHOOL
– CANDALEPAS ASSOCIATES

Ⓑ COLOURED PRECAST CONCRETE
PELICAN STREET APARTMENTS
– CANDALEPAS ASSOCIATES

Ⓒ COLOURED CONCRETE
WEST TYROL FIRE STATION
– PEDEVILLA ARCHITECTS

Ⓓ TIMBER LOUVRES
PUNCHBOWL MOSQUE
– CANDALEPAS ASSOCIATES

Ⓔ STEEL WINDOW BOXES
QT MELBOURNE
– CANDALEPAS ASSOCIATES

Ⓕ COLOURED CONCRETE
THE POINT APARTMENTS
– CANDALEPAS ASSOCIATES

Ⓖ ALUMINIUM LOUVRES
REVOLUTION APARTMENTS
– CANDALEPAS ASSOCIATES

Ⓗ ALUMINIUM FRAMED GLAZING
FRANCIS STREET APARTMENTS
– CANDALEPAS ASSOCIATES

Ⓘ PAINTED CONCRETE BALUSTRADE
PRESIDENT AVENUE APARTMENTS
– CANDALEPAS ASSOCIATES

Ⓙ FIBRE CEMENT SHEET
QT PERTH
– CANDALEPAS ASSOCIATES

Issue	Date	Description
A	26.11.18	FOR SSDA TO LAHC

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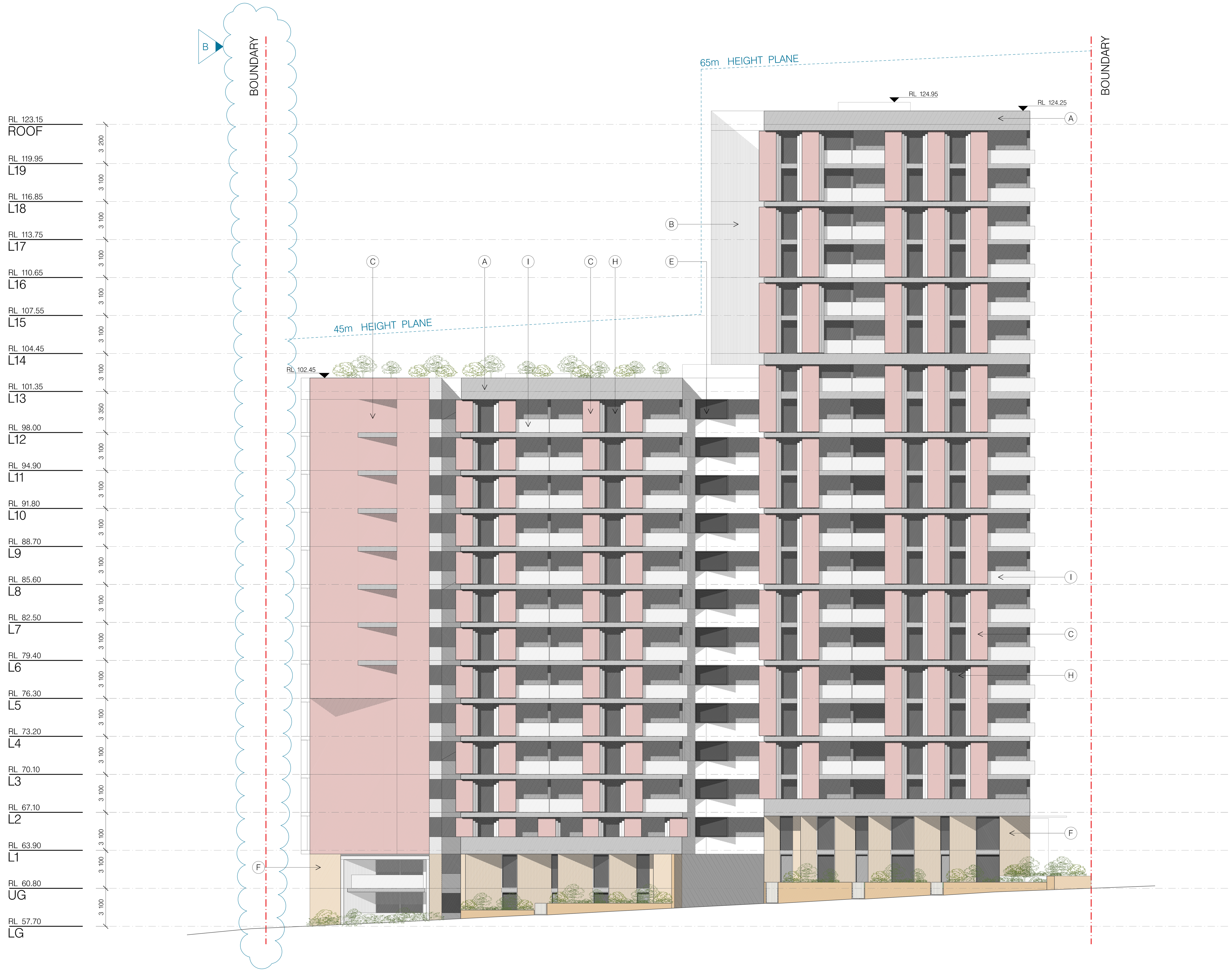
NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK
CLIENT:
FRASERS PROPERTY IVANHOE
SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

DATE: NOV 2018
CHECKED 1: LM
CHKD2/APPD: –
DRAWN BY: LM

DRAWING:
NORTH EAST ELEVATION
DRAWING No.
DA – 1300

JOB No. 5800
ISSUE A



01 NORTH WEST ELEVATION

1:200

Ⓐ OFF–FORM CONCRETE
ALL SAINTS PRIMARY SCHOOL
– CANDALEPAS ASSOCIATES

Ⓑ COLOURED PRECAST CONCRETE
PELICAN STREET APARTMENTS
– CANDALEPAS ASSOCIATES

Ⓒ COLOURED CONCRETE
WEST TYROL FIRE STATION
– PEDEVILLA ARCHITECTS

Ⓓ TIMBER LOUVRES
PUNCHBOWL MOSQUE
– CANDALEPAS ASSOCIATES

Ⓔ STEEL WINDOW BOXES
QT MELBOURNE
– CANDALEPAS ASSOCIATES

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THE POINT APARTMENTS
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Ⓖ ALUMINIUM LOUVRES
REVOLUTION APARTMENTS
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FRANCIS STREET APARTMENTS
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Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

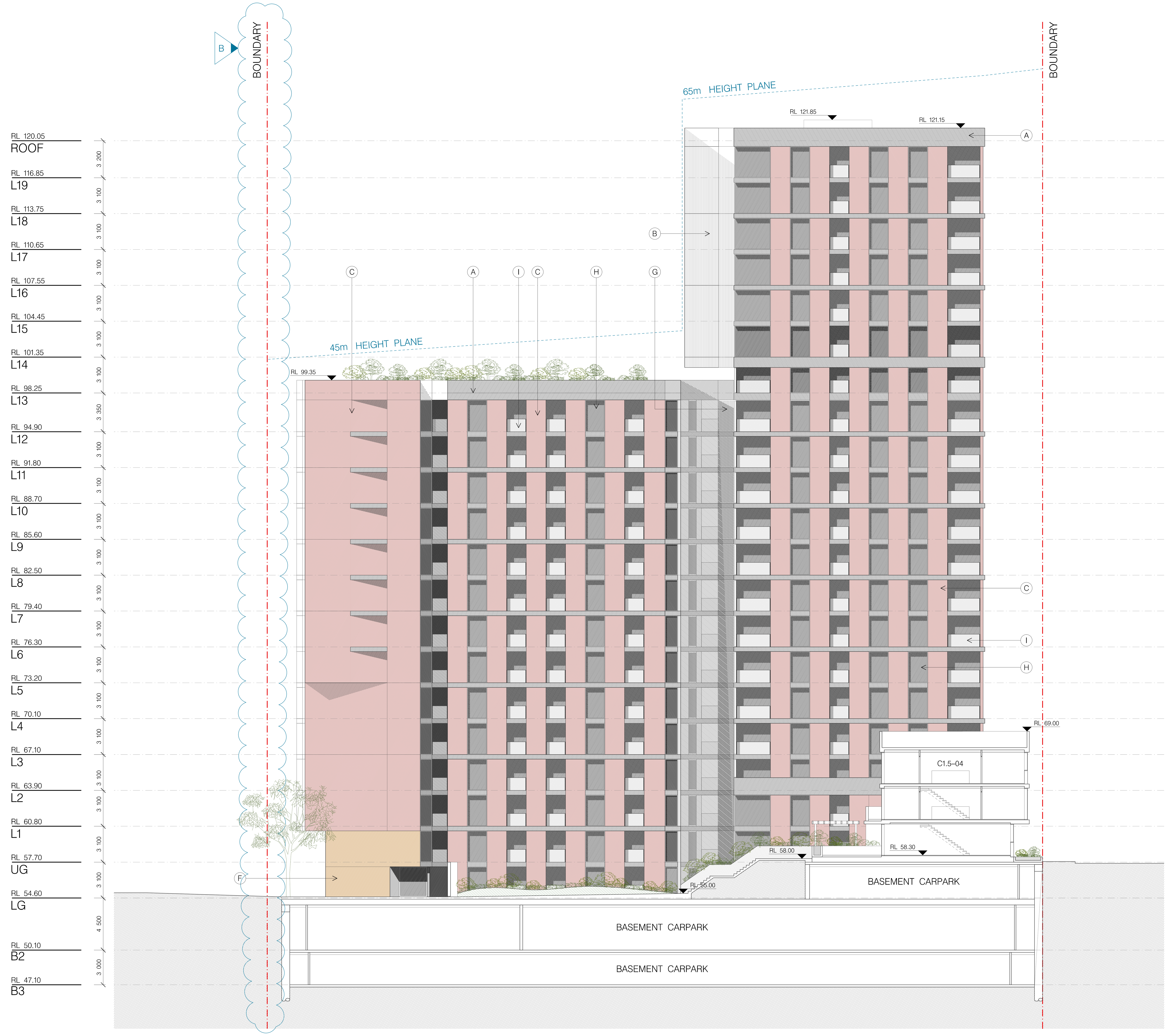
DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
NORTH WEST ELEVATION

DRAWING No.
DA – 1301

JOB No. 5800

ISSUE B.



01 NORTH WEST INTERNAL ELEVATION
1:200

Ⓐ OFF–FORM CONCRETE
ALL SAINTS PRIMARY SCHOOL
– CANDALEPAS ASSOCIATES

Ⓑ COLOURED PRECAST CONCRETE
PELICAN STREET APARTMENTS
– CANDALEPAS ASSOCIATES

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WEST TYROL FIRE STATION
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Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

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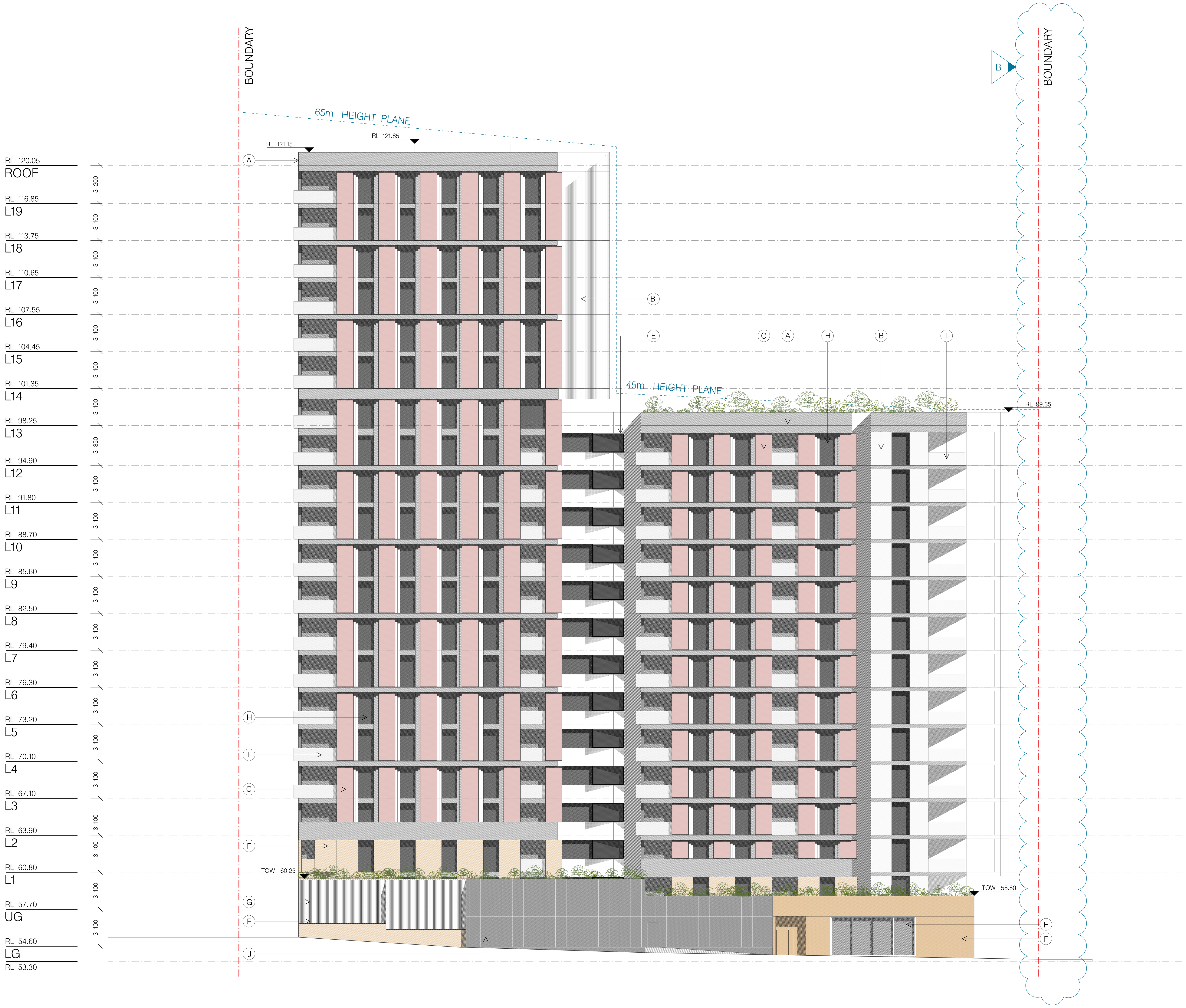
PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK
CLIENT:
FRASERS PROPERTY IVANHOE
SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
NORTH WEST INTERNAL ELEVATION
DRAWING No. DA – 1302
JOB No. 5800
ISSUE B.



01 SOUTH EAST ELEVATION
1:200

Ⓐ OFF-FORM CONCRETE
ALL SAINTS PRIMARY SCHOOL
– CANDALEPAS ASSOCIATES

Ⓑ COLOURED PRECAST CONCRETE
PELICAN STREET APARTMENTS
– CANDALEPAS ASSOCIATES

Ⓒ COLOURED CONCRETE
WEST TYROL FIRE STATION
– PEDEVILLA ARCHITECTS

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PUNCHBOWL MOSQUE
– CANDALEPAS ASSOCIATES

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THE POINT APARTMENTS
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Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

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NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

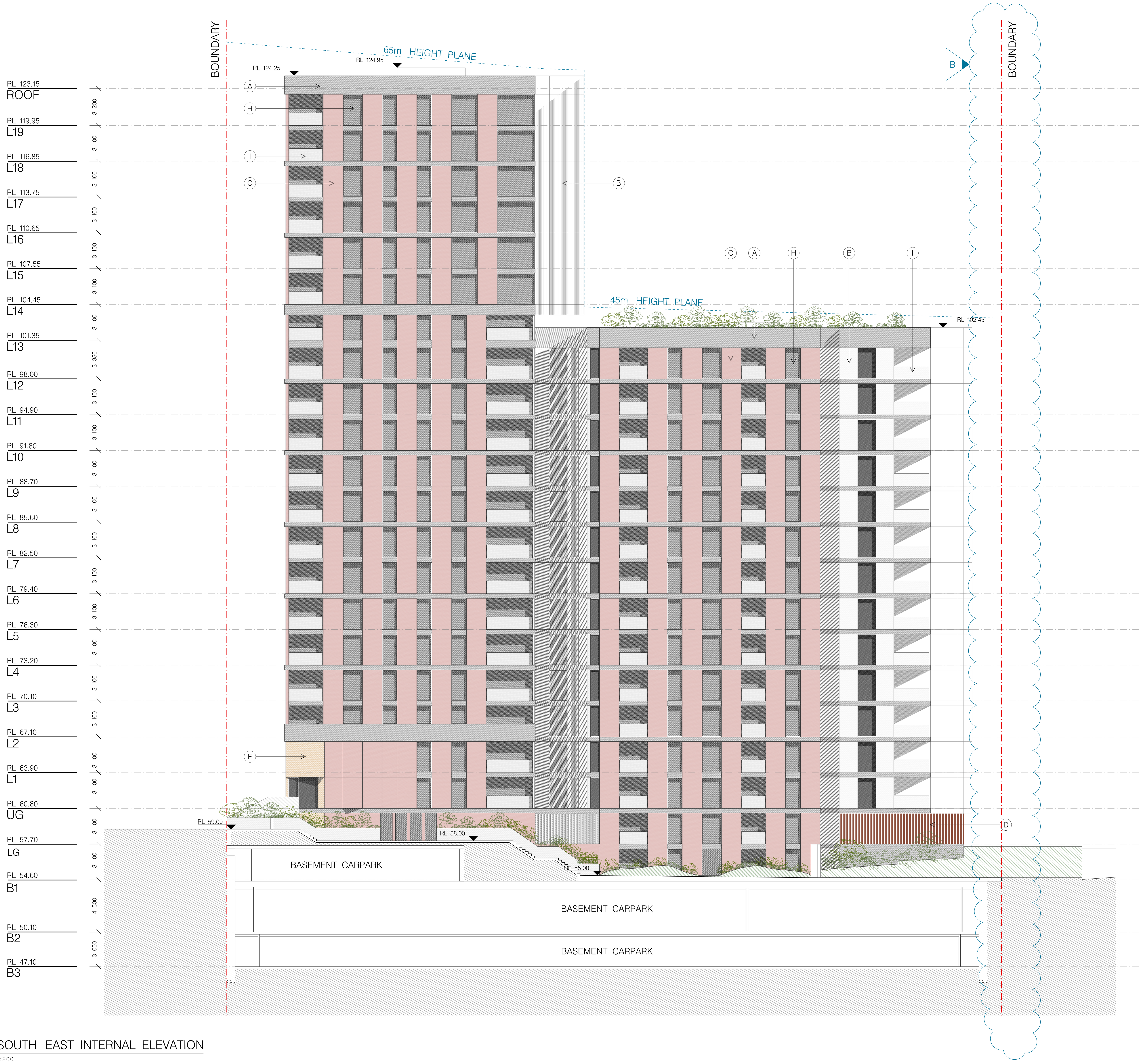
DATE: SEP 2019
CHECKED 1: SS
CHKD2/APPD: EP
DRAWN BY: SS

DRAWING:
SOUTH EAST ELEVATION

DRAWING No.
DA – 1303

JOB No. 5800

ISSUE B.



01 SOUTH EAST INTERNAL ELEVATION
1:200

Ⓐ OFF-FORM CONCRETE
ALL SAINTS PRIMARY SCHOOL
– CANDALEPAS ASSOCIATES

Ⓑ COLOURED PRECAST CONCRETE
PELICAN STREET APARTMENTS
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Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

DATE:
SEP 2019

CHECKED 1:
SS

CHKD2/APPD:
EP

DRAWN BY:
SS

DRAWING:
SOUTH EAST INTERNAL ELEVATION

DRAWING No.
DA – 1304

JOB No.
5800

ISSUE
B.

01 SOUTH WEST ELEVATION
1:200

Ⓐ OFF–FORM CONCRETE
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Ⓑ COLOURED PRECAST CONCRETE
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Ⓙ FIBRE CEMENT SHEET
QT PERTH
– CANDALEPAS ASSOCIATES

Issue	Date	Description
A	26.11.18	FOR SSDA TO LAHC

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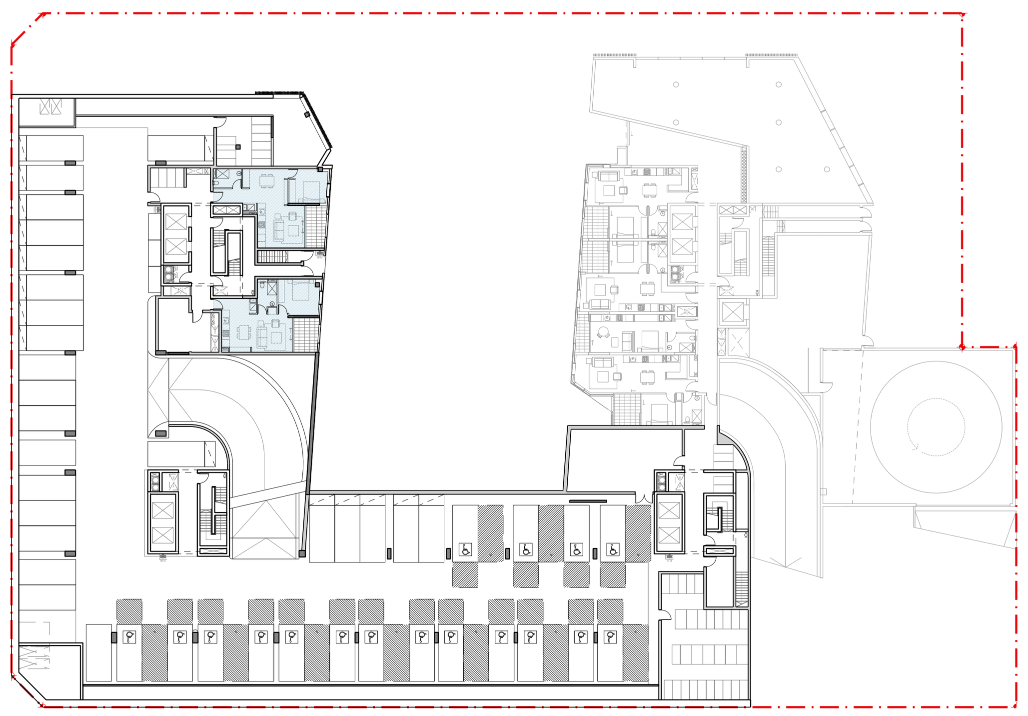
NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK
CLIENT:
FRASERS PROPERTY IVANHOE
SCALE: 1:200@A1 / 1:400@A3
0 5m 10m

DATE: NOV 2018
CHECKED 1: LM
CHKD2/APPD: –
DRAWN BY: LM

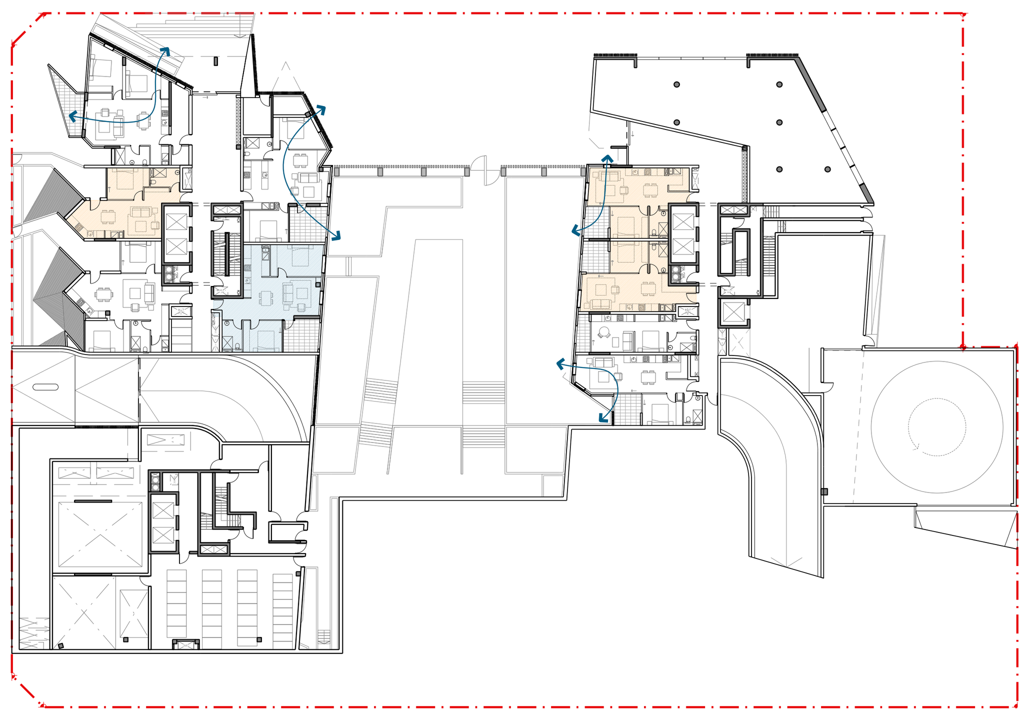
DRAWING:
SOUTH WEST ELEVATION
DRAWING No.
DA – 1305

JOB No. 5800
ISSUE A



BASEMENT 1

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	0 UNITS
MARKET	– UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	– UNITS
NATURAL CROSS VENTILATION	
SOCIAL	0 UNITS
MARKET	– UNITS
TOTAL NO. UNITS	2 UNITS

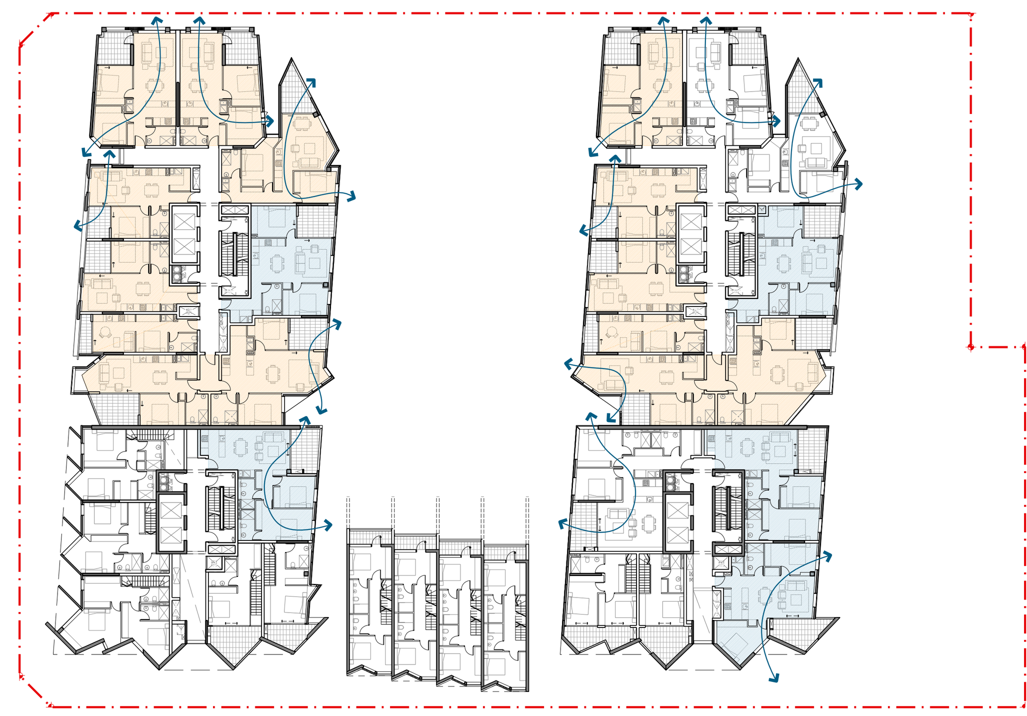


LOWER GROUND

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	3 UNITS
MARKET	– UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	1 UNITS
MARKET	– UNITS
NATURAL CROSS VENTILATION	
SOCIAL	4 UNITS
MARKET	– UNITS
TOTAL NO. UNITS	9 UNITS

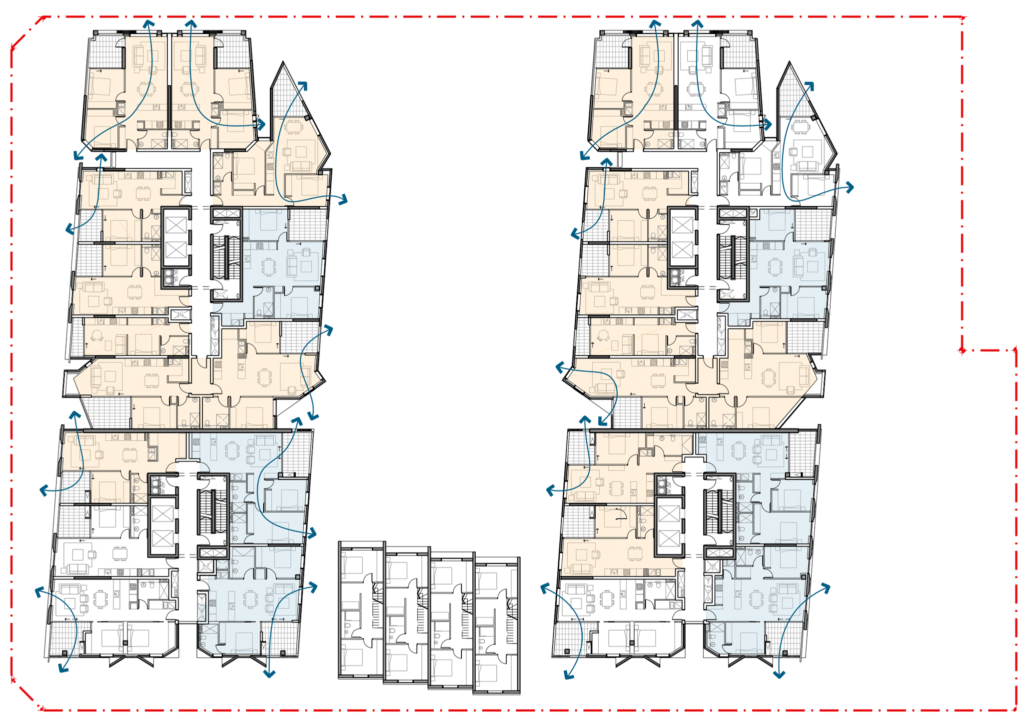
UPPER GROUND

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	4 UNITS
MARKET	1 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	3 UNITS
MARKET	6 UNITS
NATURAL CROSS VENTILATION	
SOCIAL	8 UNITS
MARKET	6 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	29 UNITS



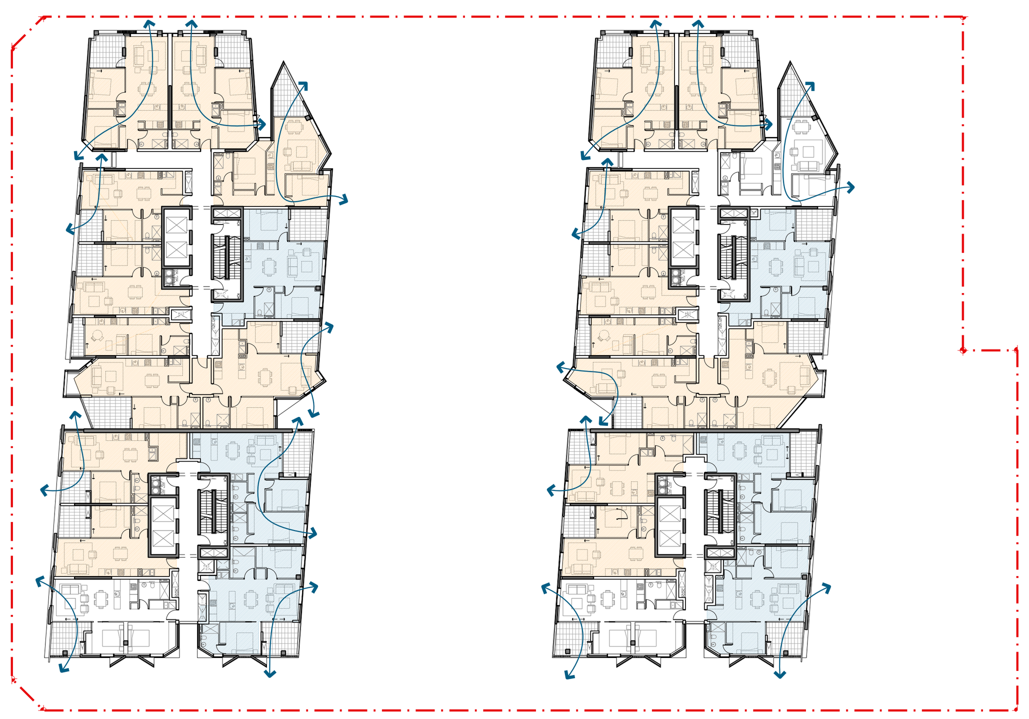
LEVEL 1

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	12 UNITS
MARKET	0 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	3 UNITS
NATURAL CROSS VENTILATION	
SOCIAL	10 UNITS
MARKET	3 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	20 UNITS



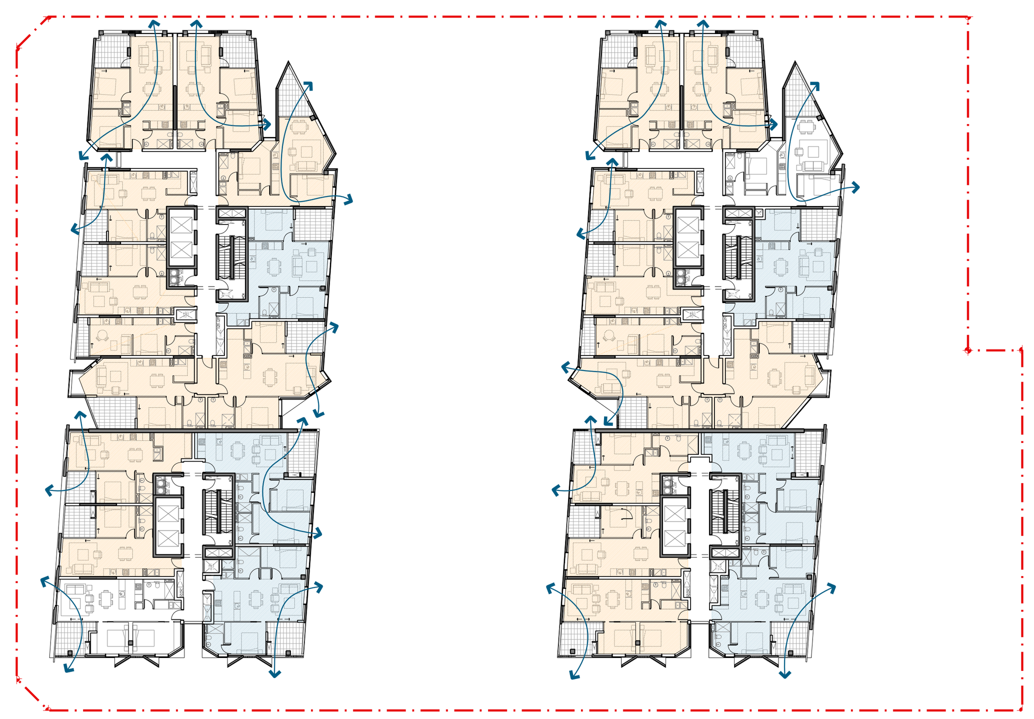
LEVEL 2

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	12 UNITS
MARKET	3 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
NATURAL CROSS VENTILATION	
SOCIAL	10 UNITS
MARKET	7 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	26 UNITS



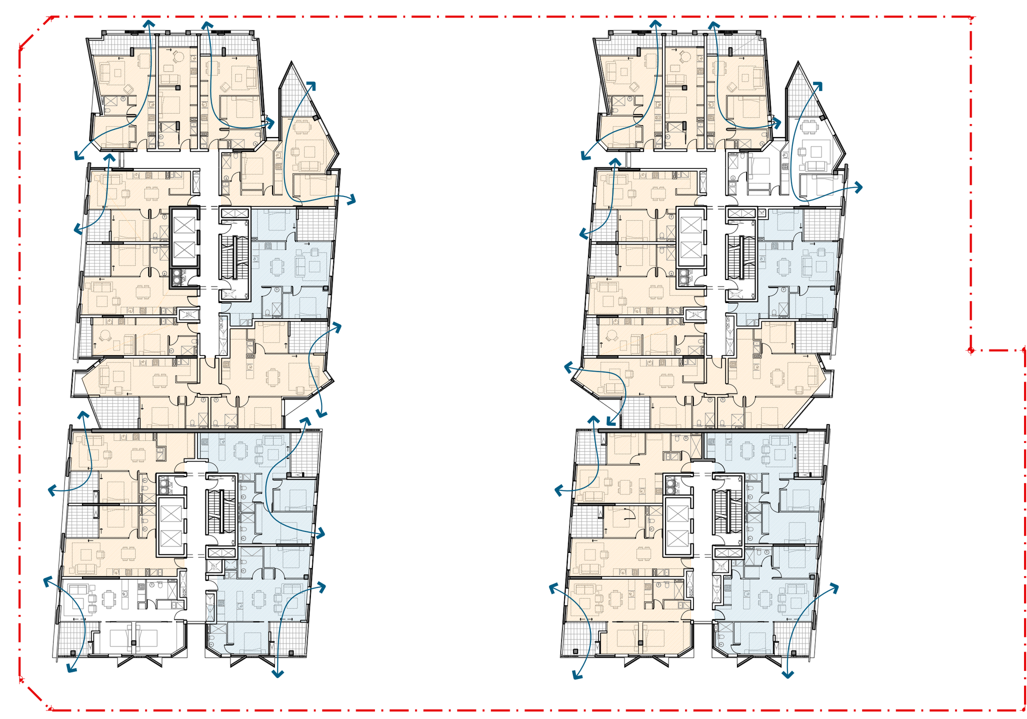
LEVELS 3

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	13 UNITS
MARKET	4 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
NATURAL CROSS VENTILATION	
SOCIAL	10 UNITS
MARKET	7 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	26 UNITS



LEVELS 4

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	13 UNITS
MARKET	5 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
NATURAL CROSS VENTILATION	
SOCIAL	10 UNITS
MARKET	7 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	26 UNITS



LEVELS 5

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	15 UNITS
MARKET	5 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
NATURAL CROSS VENTILATION	
SOCIAL	10 UNITS
MARKET	7 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	28 UNITS

Issue	Date	Description
A	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

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NSW ARCHITECTS REG No. – 5773

PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: NOT TO SCALE

NORTH

DATE: NOV 2018

CHECKED 1: LM

CHKD2/APPD: –

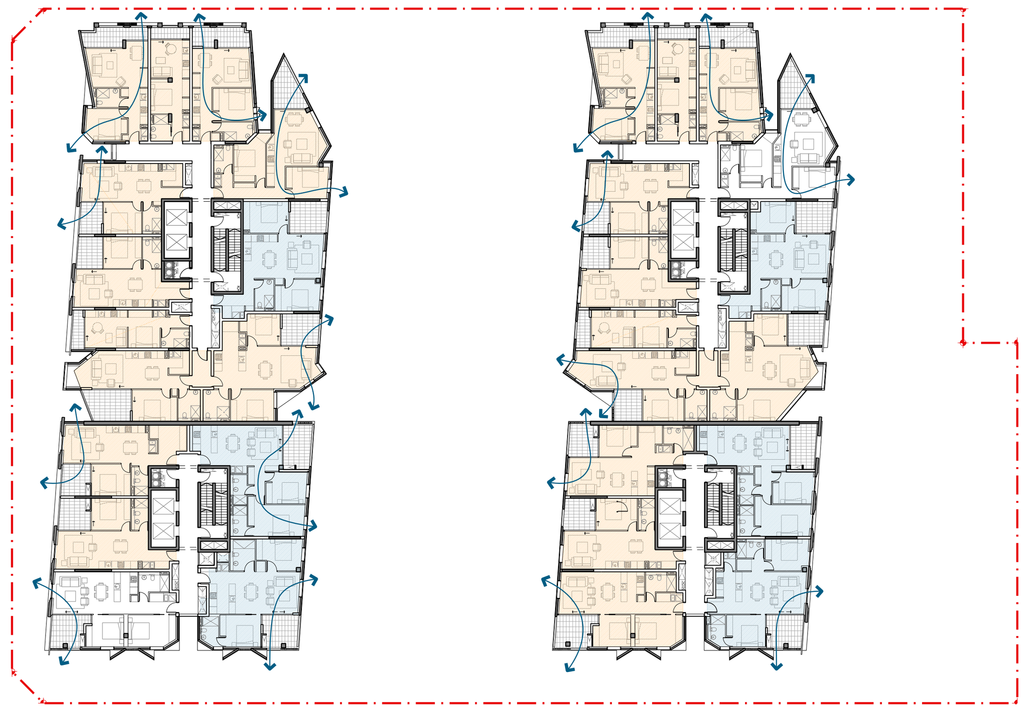
DRAWN BY: LM

DRAWING:
SOLAR & VENT CALCULATIONS

DRAWING No.
DA – 1600

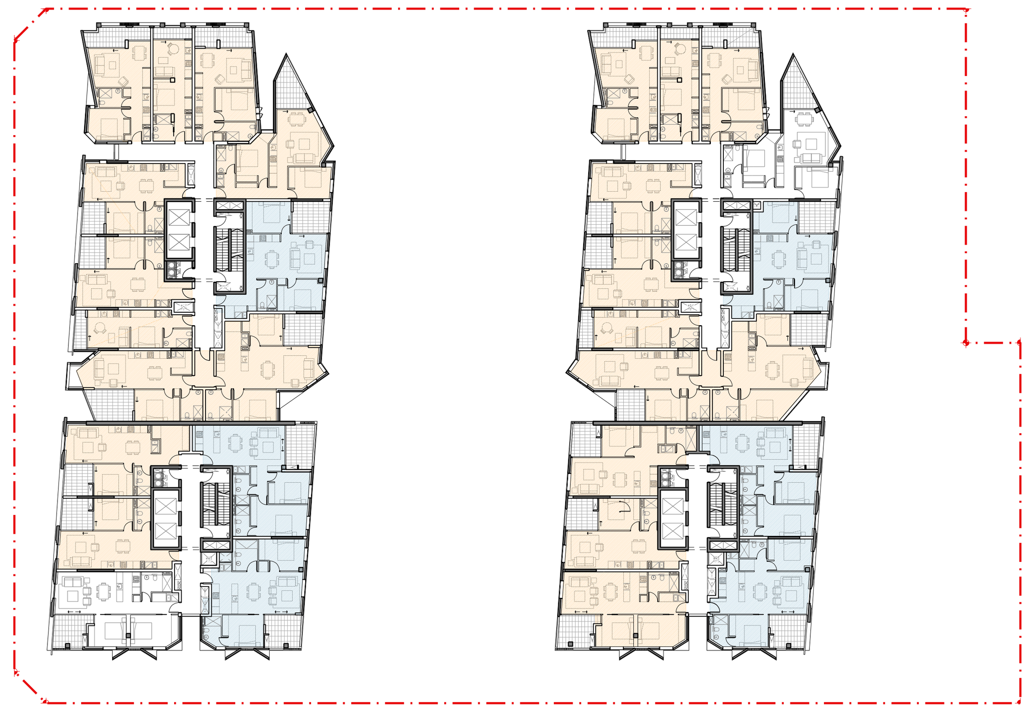
JOB No. 5800

ISSUE A



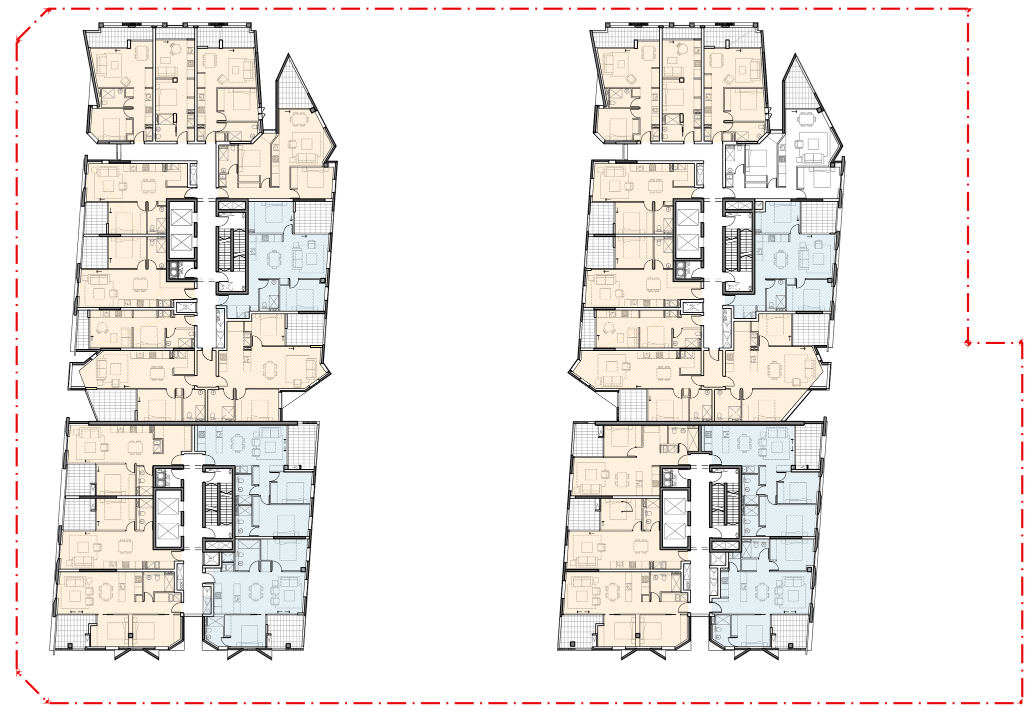
LEVEL 6

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	15 UNITS
MARKET	5 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
NATURAL CROSS VENTILATION	
SOCIAL	10 UNITS
MARKET	7 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	28 UNITS



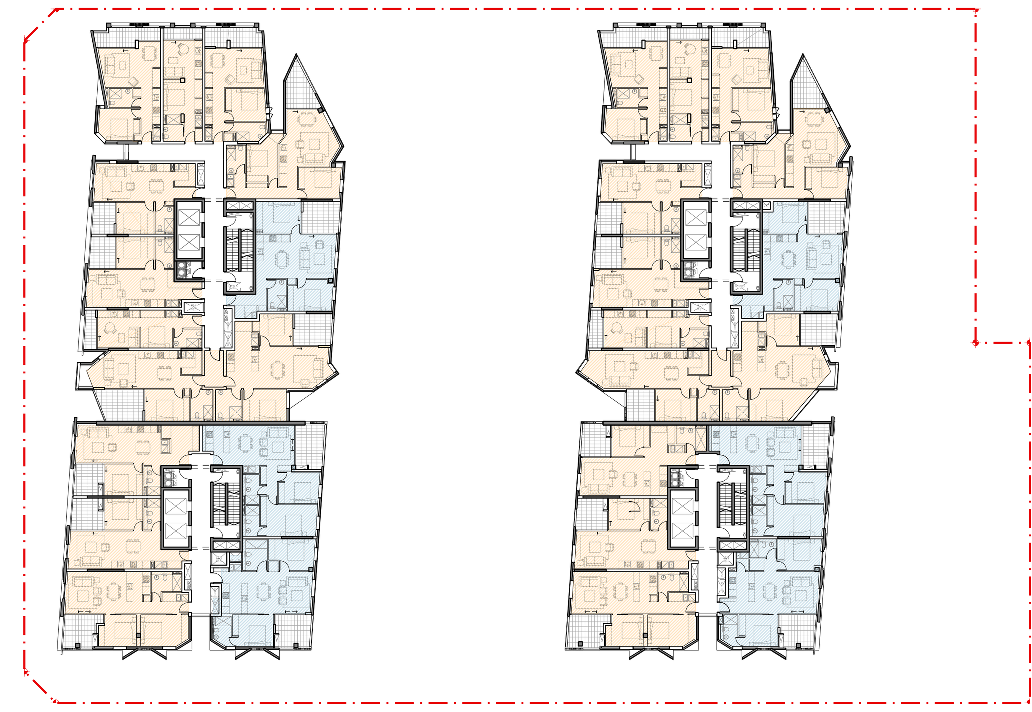
LEVEL 7

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	15 UNITS
MARKET	5 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	28 UNITS



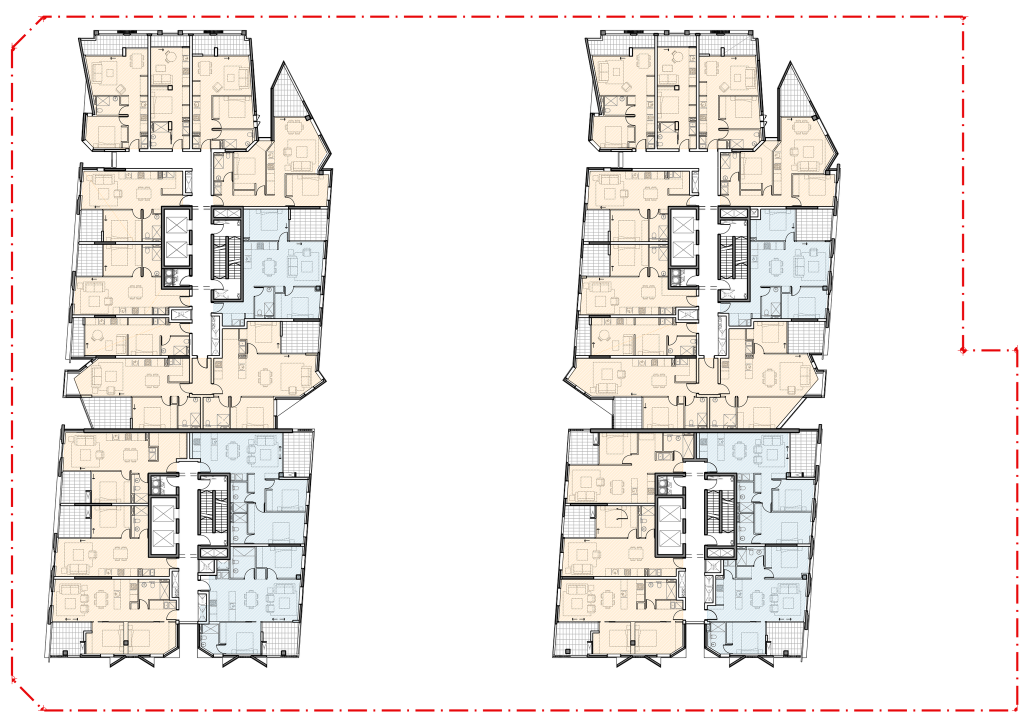
LEVEL 8

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	15 UNITS
MARKET	6 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	28 UNITS



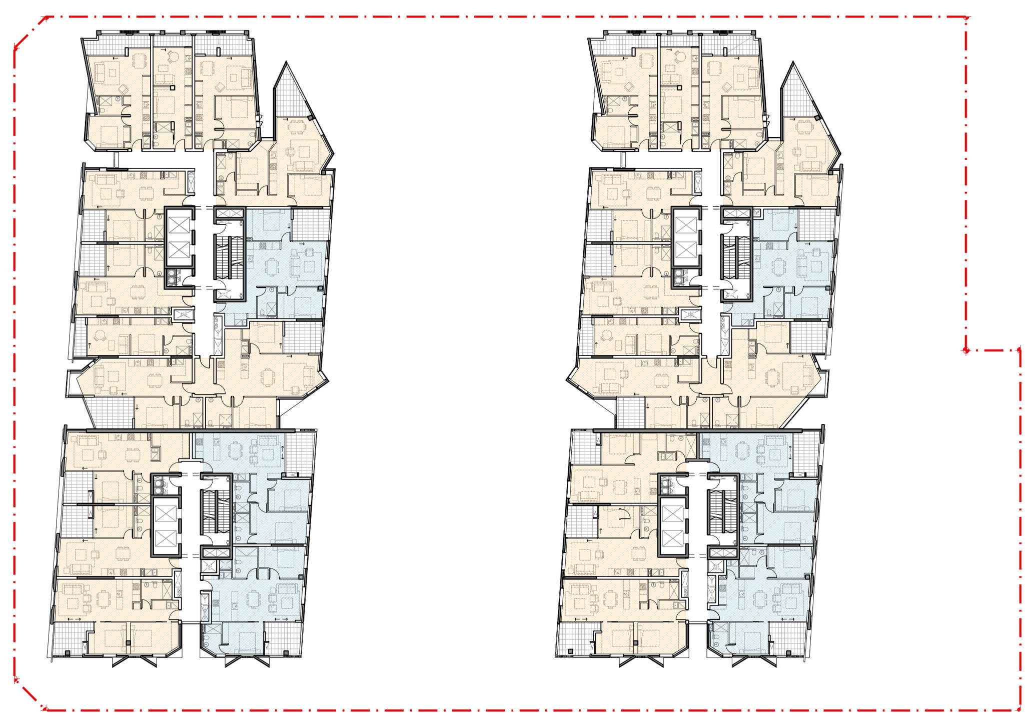
LEVEL 9

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	16 UNITS
MARKET	6 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	28 UNITS



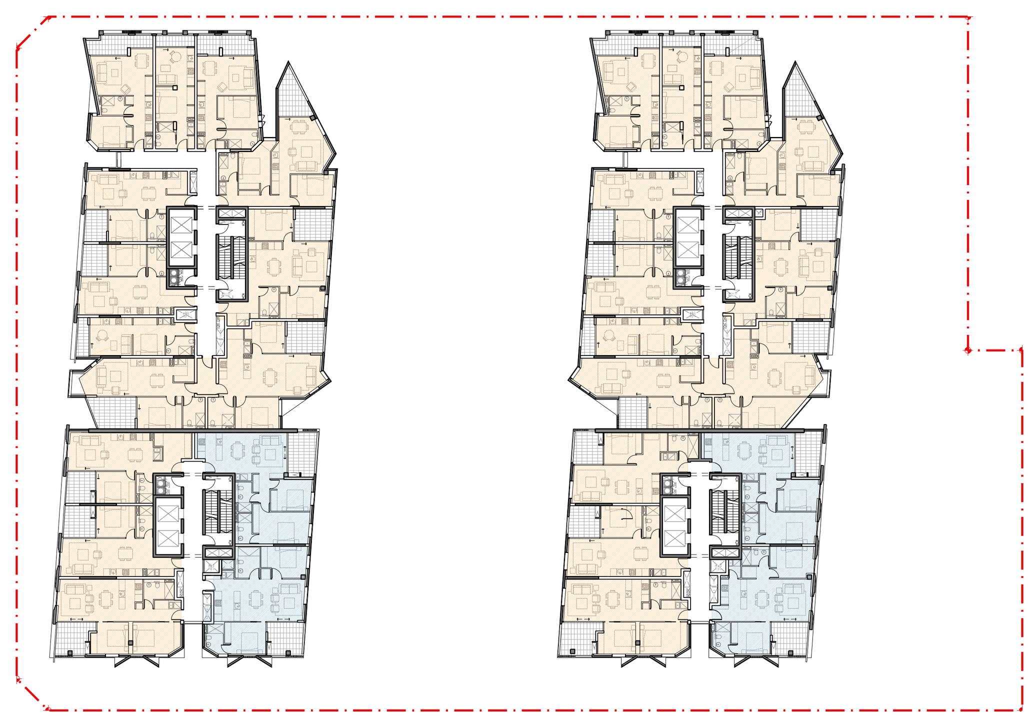
LEVEL 10

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	16 UNITS
MARKET	6 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	28 UNITS



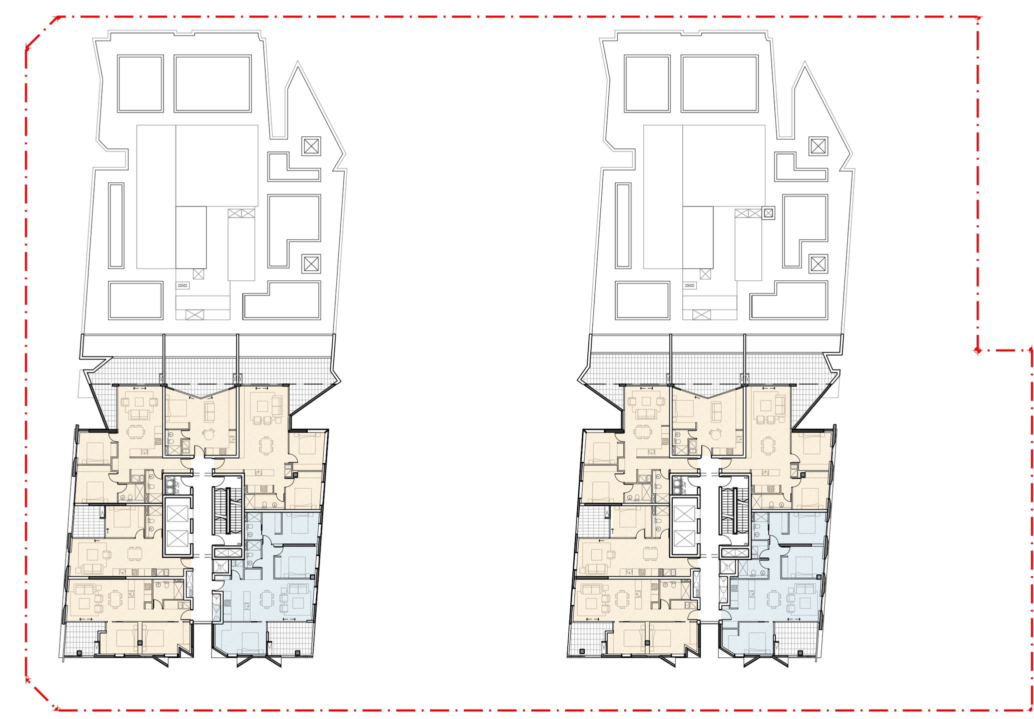
LEVELS 11

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	16 UNITS
MARKET	6 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	2 UNITS
MARKET	4 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	28 UNITS



LEVELS 12

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	18 UNITS
MARKET	6 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	0 UNITS
MARKET	4 UNITS
TOTAL NO. UNITS (INCLUDING DUAL KEY)	28 UNITS



LEVELS 13

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	10 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	2 UNITS
TOTAL NO. UNITS	12 UNITS

Issue	Date	Description
A	26.11.18	FOR SSDA TO LAHC

Drawing Original Size A1

FOR DA PURPOSES ONLY

NOT FOR CONSTRUCTION

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: NOT TO SCALE

NORTH

DATE: NOV 2018

CHECKED 1: LM

CHKD2/APPD: –

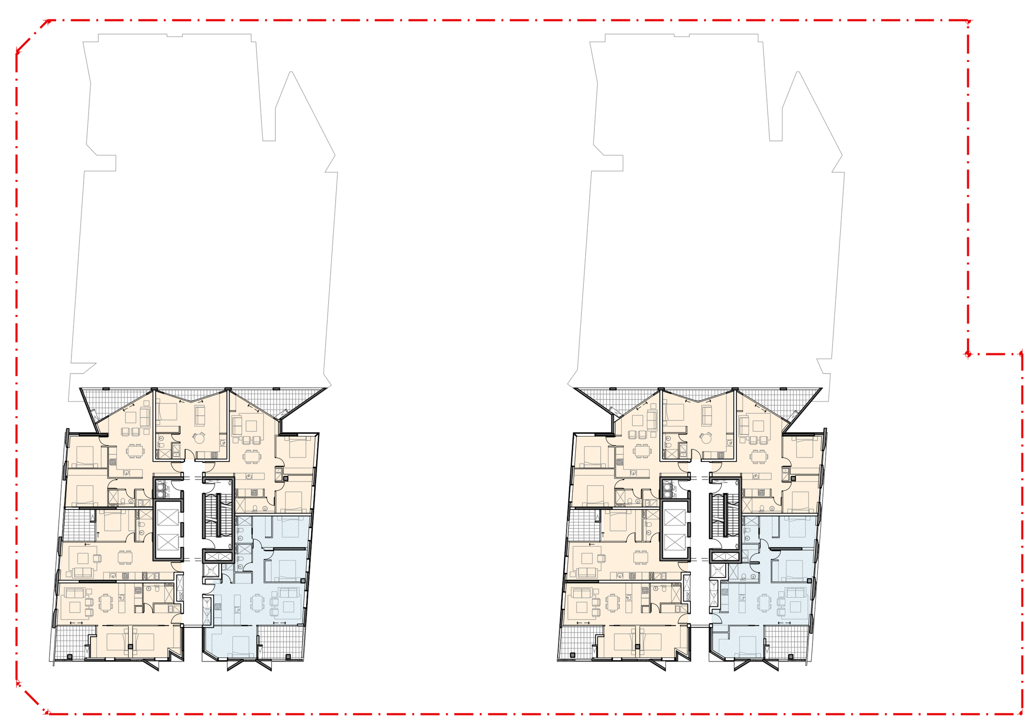
DRAWN BY: LM

DRAWING:
SOLAR & VENT CALCULATIONS
SHEET 2

DRAWING No. DA – 1601

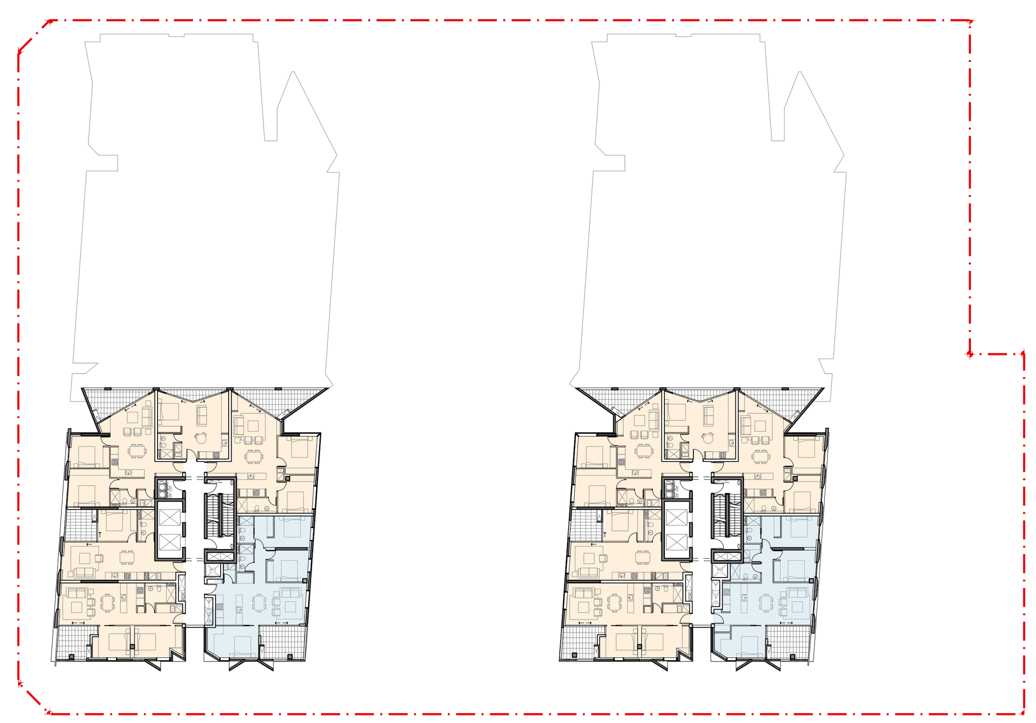
JOB No. 5800

ISSUE A



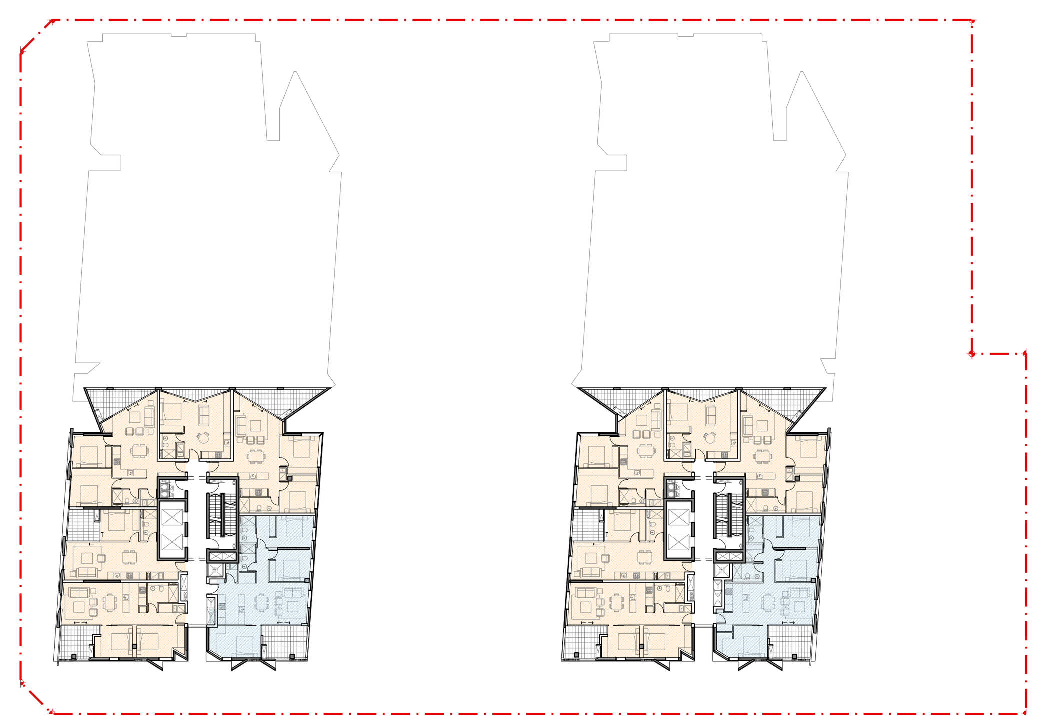
LEVEL 14

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	10 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	2 UNITS
TOTAL NO. UNITS	12 UNITS



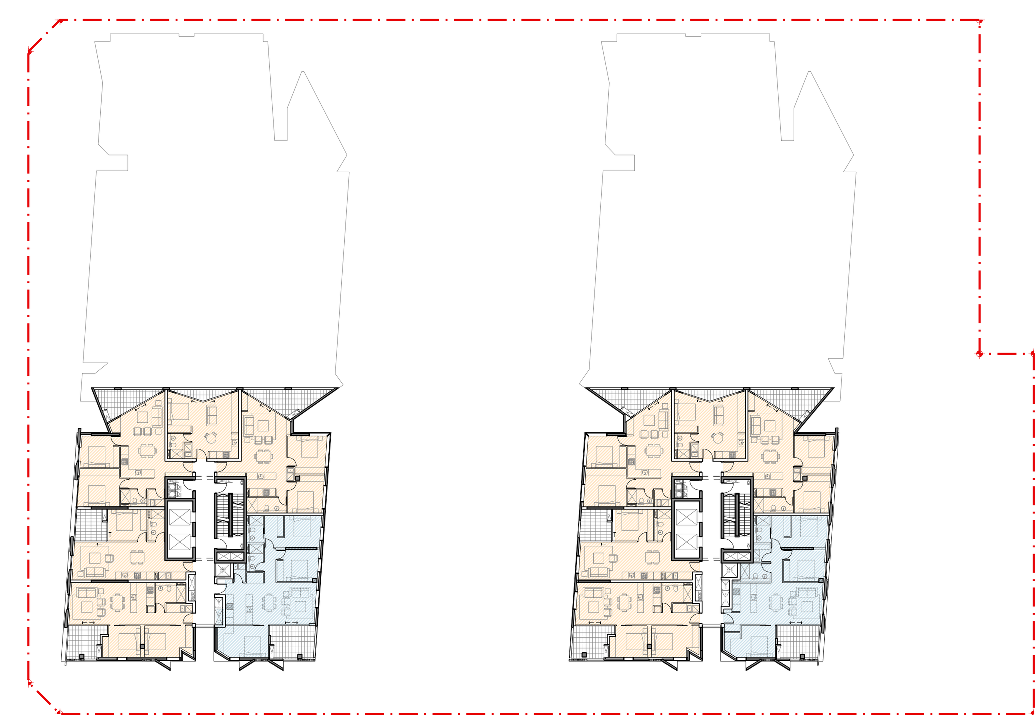
LEVEL 15

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	10 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	2 UNITS
TOTAL NO. UNITS	12 UNITS



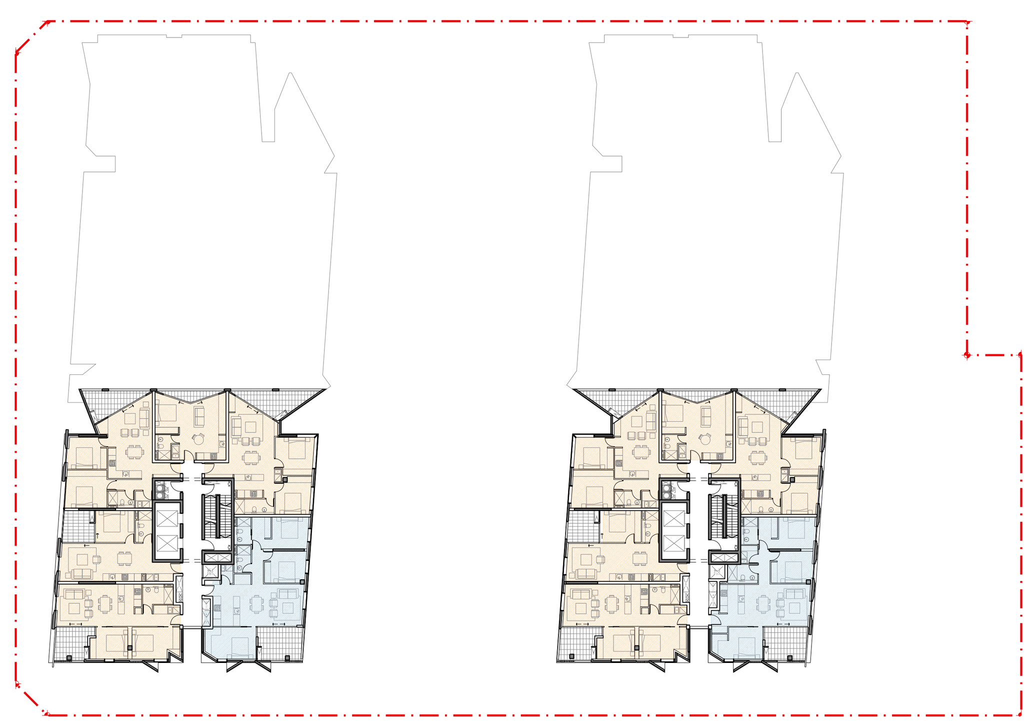
LEVEL 16

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	10 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	2 UNITS
TOTAL NO. UNITS	12 UNITS



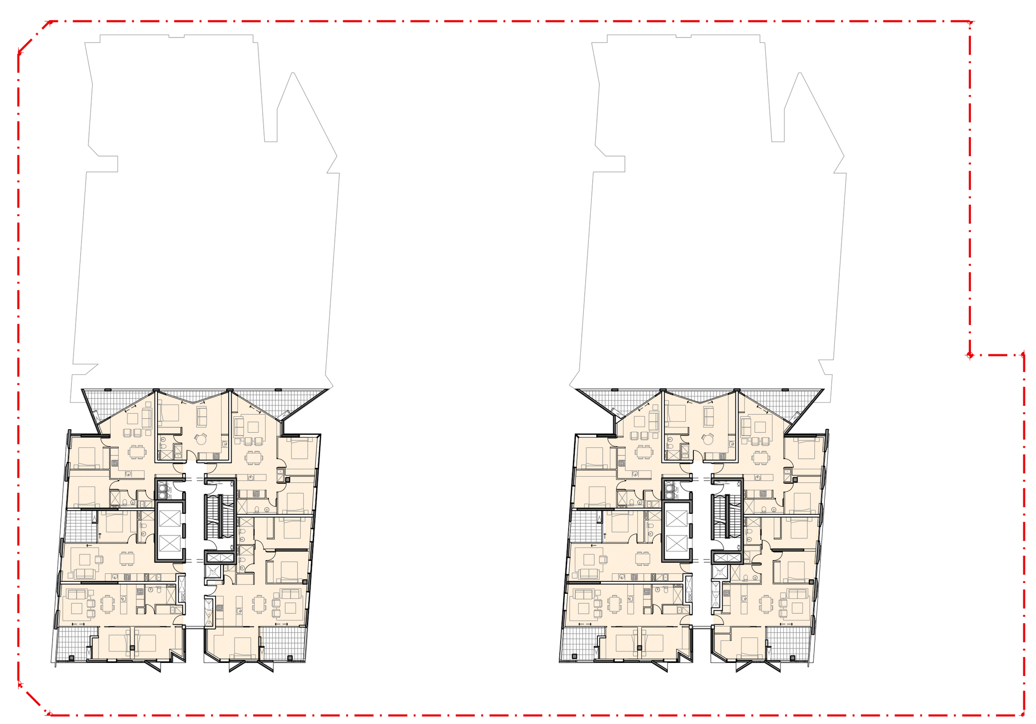
LEVEL 17

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	10 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	2 UNITS
TOTAL NO. UNITS	12 UNITS



LEVEL 18

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	10 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	2 UNITS
TOTAL NO. UNITS	12 UNITS



LEVEL 19

CALCULATIONS FOR JUNE 21, 9AM – 3PM	TOTAL
MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	12 UNITS
NO DIRECT SOLAR ACCESS	
SOCIAL	– UNITS
MARKET	0 UNITS
TOTAL NO. UNITS	12 UNITS

SOLAR ACCESS/CROSS VENT SUMMARY BY LEVEL

	MINIMUM 2 HOURS OF DIRECT SOLAR ACCESS			NO DIRECT SOLAR ACCESS			CROSS VENTILATION		
	SOCIAL	MARKET	TOTAL	SOCIAL	MARKET	TOTAL	SOCIAL	MARKET	TOTAL
BASEMENT 1	0	–	0	2	–	2	0	–	0
LOWER GROUND	3	–	3	1	–	1	4	–	4
UPPER GROUND	4	1	5	3	6	9	8	6	14
LEVEL 1	12	0	12	2	3	5	10	3	13
LEVEL 2	12	3	15	2	4	6	10	7	17
LEVEL 3	13	4	17	2	4	6	10	7	17
LEVEL 4	13	5	18	2	4	6	10	7	17
LEVEL 5	15	5	20	2	4	6	10	7	17
LEVEL 6	15	5	20	2	4	6	10	7	17
LEVEL 7	15	5	20	2	4	6	–	–	–
LEVEL 8	15	6	21	2	4	6	–	–	–
LEVEL 9	16	6	22	2	4	6	–	–	–
LEVEL 10	16	6	22	2	4	6	–	–	–
LEVEL 11	16	6	22	2	4	6	–	–	–
LEVEL 12	18	6	24	0	4	4	–	–	–
LEVEL 13	–	10	10	–	2	2	–	–	–
LEVEL 14	–	10	10	–	2	2	–	–	–
LEVEL 15	–	10	10	–	2	2	–	–	–
LEVEL 16	–	10	10	–	2	2	–	–	–
LEVEL 17	–	10	10	–	2	2	–	–	–
LEVEL 18	–	10	10	–	2	2	–	–	–
LEVEL 19	–	12	12	–	0	0	–	–	–
TOTAL	183	130	313	28	65	93	72	44	116
TOTAL NO. UNITS (INC. DUAL KEY)	234	212	446	234	212	446	126	68	194
PERCENTAGE	78%	61%	70%	12%	31%	21%	57%	65%	60%

Issue	Date	Description
A	26.11.18	FOR SSDA TO LAHC

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NOT FOR CONSTRUCTION

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: NOT TO SCALE

NORTH

DATE: NOV 2018

CHECKED 1: LM

CHKD2/APPD: –

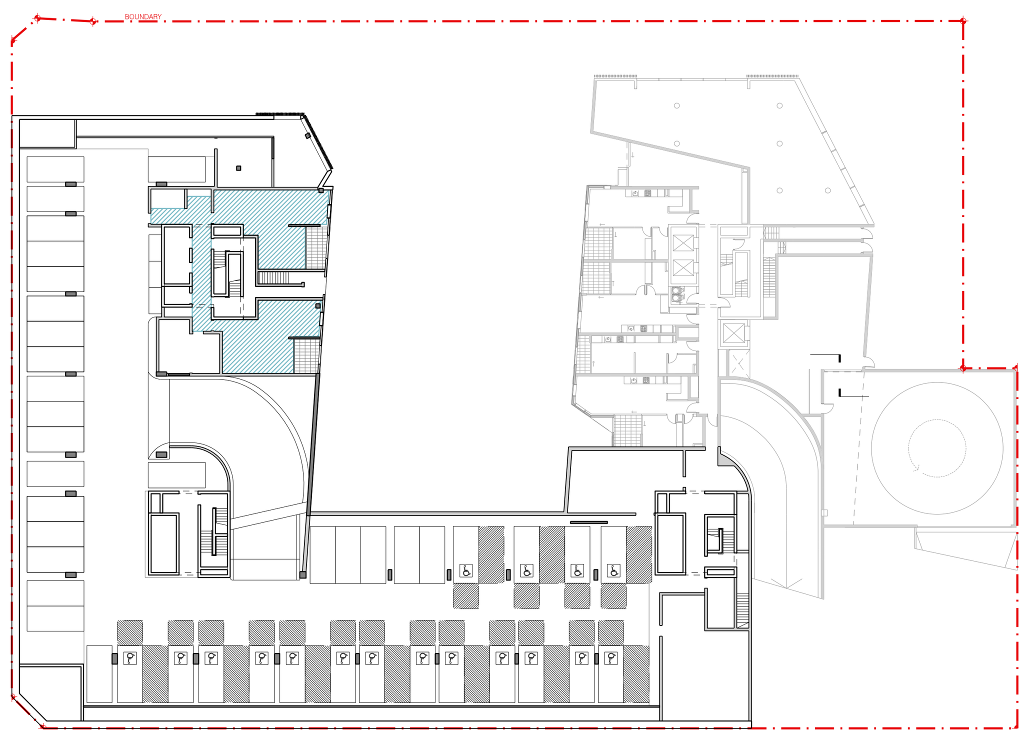
DRAWN BY: LM

DRAWING:
SOLAR & VENT CALCULATIONS SHEET 3

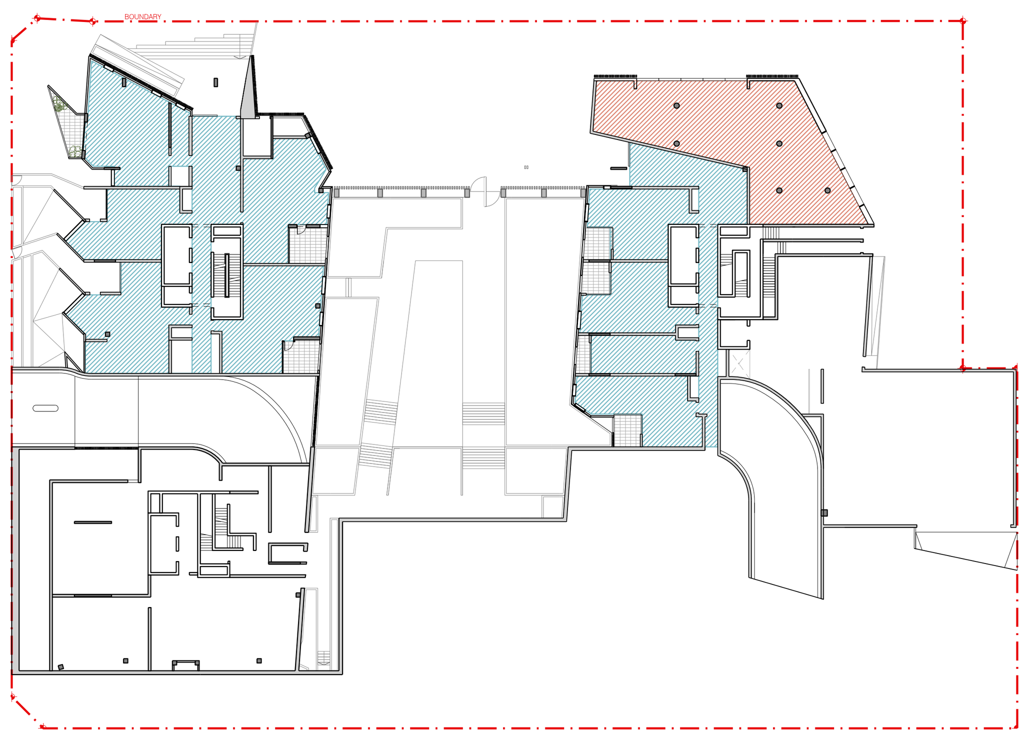
DRAWING No. DA – 1602

JOB No. 5800

ISSUE A

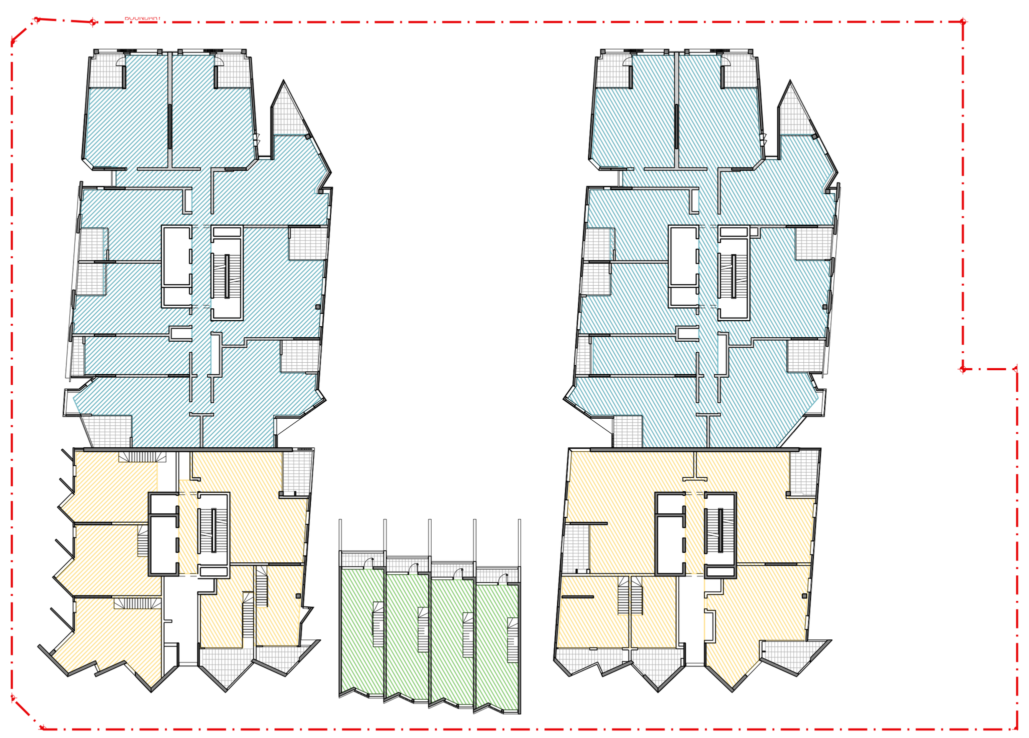


BASEMENT 1

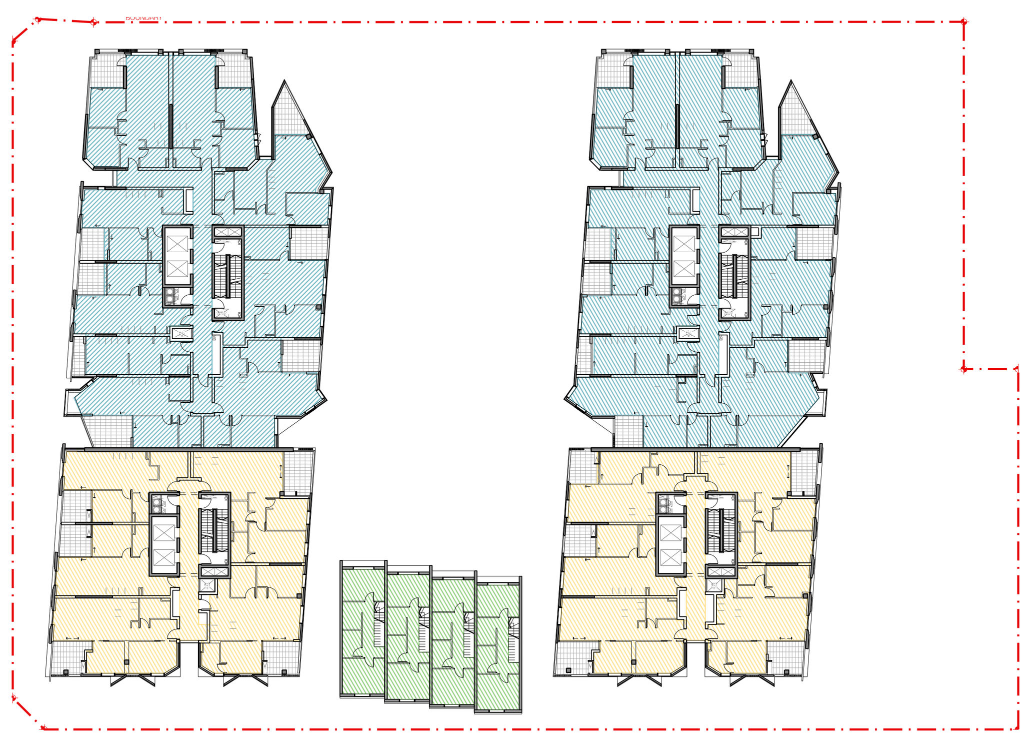


LOWER GROUND

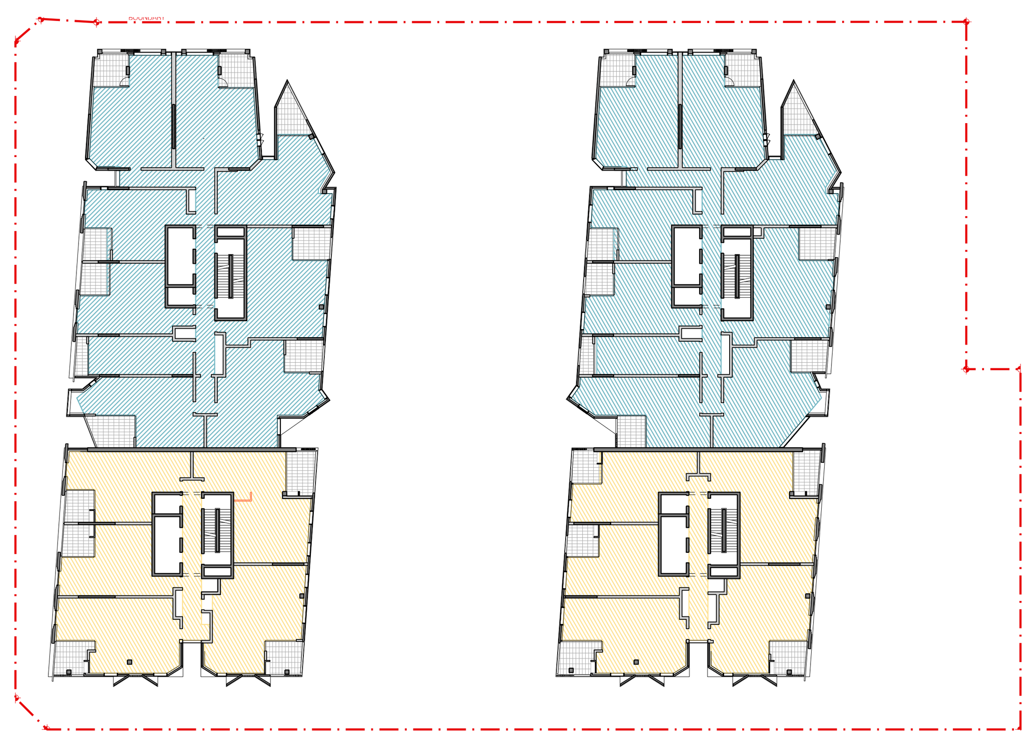
UPPER GROUND



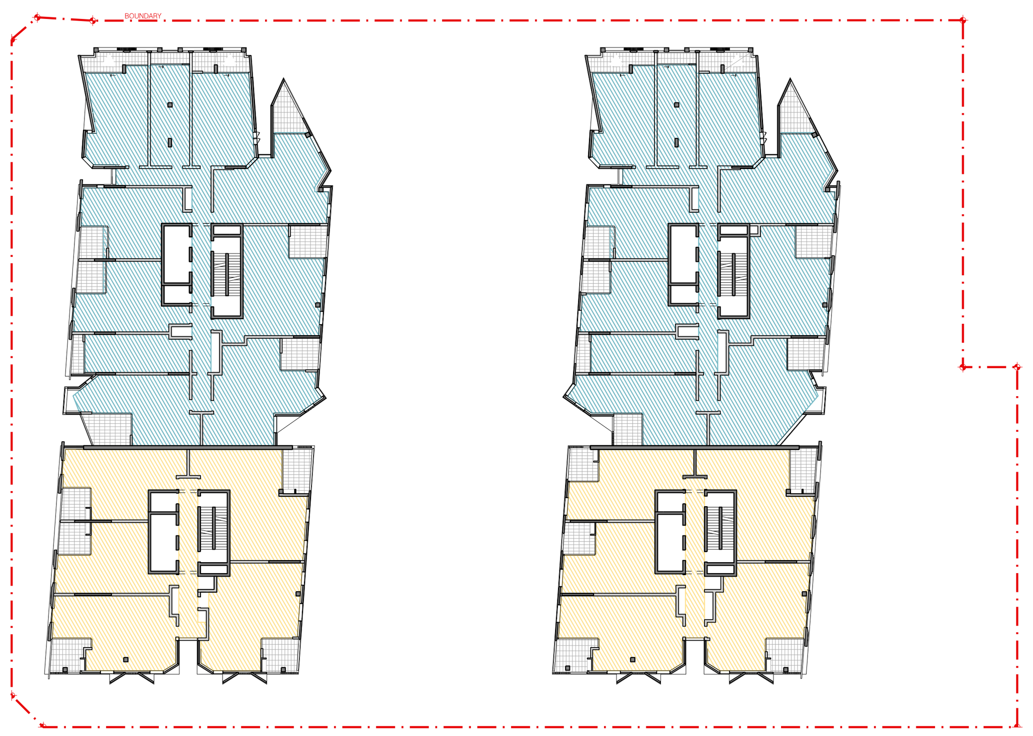
LEVEL 1



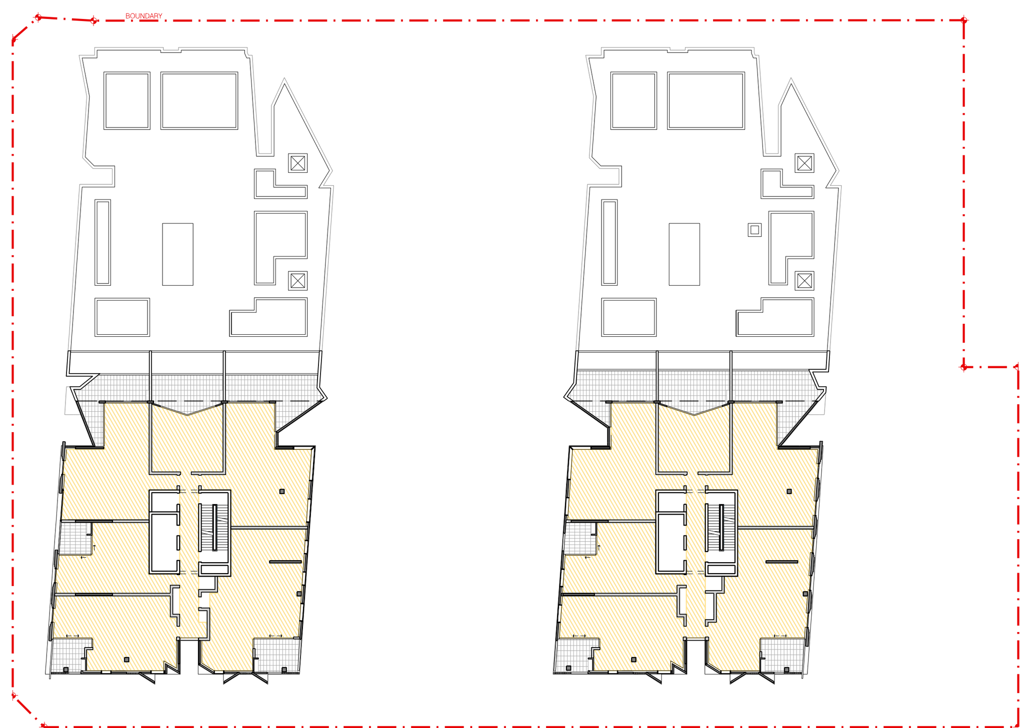
LEVEL 2



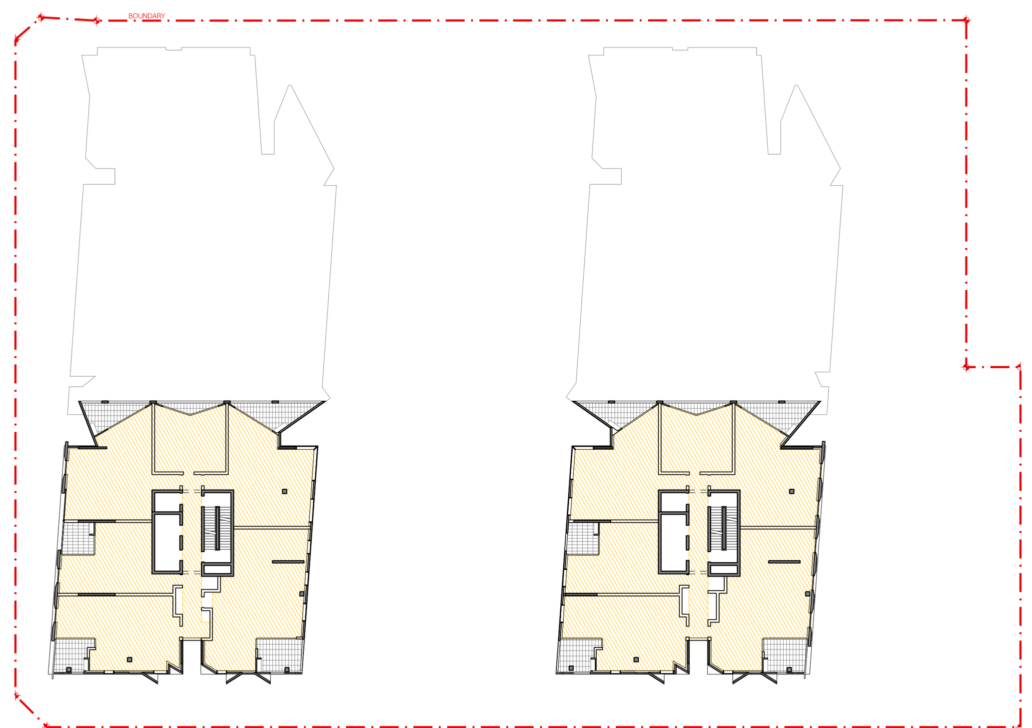
LEVELS 3 – 4



LEVELS 5 – 12



LEVEL 13



LEVELS 14 – 19

GFA CALCULATIONS

LOT AREA	6,218 sqm (APPROX.) B
TOTAL GROSS FLOOR AREA (GFA)	33,596 sqm

SOCIAL

	TOWER 1 – C1.1		TOWER 2 – C1.3		TOTAL	
LEVEL	TOTAL UNITS	AREA (sqm)	TOTAL UNITS	AREA (sqm)	TOTAL UNITS	AREA (sqm)
BASEMENT 1	02	136	–	–	02	136
LOWER GROUND	05	438	04	289	09	727
UPPER GROUND	07	526	09	596	16	1122
LEVEL 01	09	628	09	628	18	1256
LEVEL 02	09	628	09	628	18	1256
LEVEL 03	09	628	09	628	18	1256
LEVEL 04	09	628	09	628	18	1256
LEVEL 05	10	624	10	625	20	1249
LEVEL 06	10	624	10	625	20	1249
LEVEL 07	10	624	10	625	20	1249
LEVEL 08	10	624	10	625	20	1249
LEVEL 09	10	624	10	625	20	1249
LEVEL 10	10	624	10	625	20	1249
LEVEL 11	10	624	10	625	20	1249
LEVEL 12	10	624	10	625	20	1249
TOTAL	130	8,604	129	8,397	259	17,001

MARKET

	TOWER 1 – C1.2		TOWER 2 – C1.4		TOTAL	
LEVEL	TOTAL UNITS	AREA (sqm)	TOTAL UNITS	AREA (sqm)	TOTAL UNITS	AREA (sqm)
UPPER GROUND	06	385	04	326	10	711
LEVEL 01	01	311	03	340	04	651
LEVEL 02	05	373	05	374	10	747
LEVEL 03	05	373	05	374	10	747
LEVEL 04	05	373	05	374	10	747
LEVEL 05	05	373	05	373	10	746
LEVEL 06	05	373	05	373	10	746
LEVEL 07	05	373	05	373	10	746
LEVEL 08	05	373	05	373	10	746
LEVEL 09	05	373	05	373	10	746
LEVEL 10	05	373	05	373	10	746
LEVEL 11	05	373	05	373	10	746
LEVEL 12	05	373	05	373	10	746
LEVEL 13	06	456	06	455	12	911
LEVEL 14	06	445	06	443	12	888
LEVEL 15	06	445	06	443	12	888
LEVEL 16	06	445	06	443	12	888
LEVEL 17	06	445	06	443	12	888
LEVEL 18	06	445	06	443	12	888
LEVEL 19	06	445	06	443	12	888
TOTAL	104	7,925	104	7,885	208	15,810

B

TERRACES

LEVEL	TOTAL UNITS	AREA (sqm)
UPPER GROUND	04	183
LEVEL 01	–	177
LEVEL 02	–	181
TOTAL	04	541

RETAIL /COMMUNITY

	TOWER 1		TOWER 2	
LEVEL	TOTAL TENANCIES	AREA (sqm)	TOTAL TENANCIES	AREA (sqm)
BASEMENT 2 (EOT)	–	–	–	43
LOWER GROUND	–	–	01	201
TOTAL			01	244

UNIT MIX

	SOCIAL		MARKET		TOTAL	
UNIT TYPE	NO.	MIX	NO.	%	NO.	%
STUDIO	42	16%	14	6.5%	56	12%
1 BED	118	46%	61	29%	179	38%
2 BED	99	38%	119	56%	218	46%
3 BED	–	–	14	6.5%	14	3%
4 BED	_	_	4	2%	4	1%
TOTAL	259		212		471	

Issue	Date	Description
B.	16.09.19	FOR SSDA TO LAHC
A.	26.11.18	FOR SSDA TO LAHC

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:600@A1 / 1:1200@A3

0 5 10 30m

NORTH

DATE:
SEP 2019

CHECKED 1:
SS

CHKD2/APPD:
EP

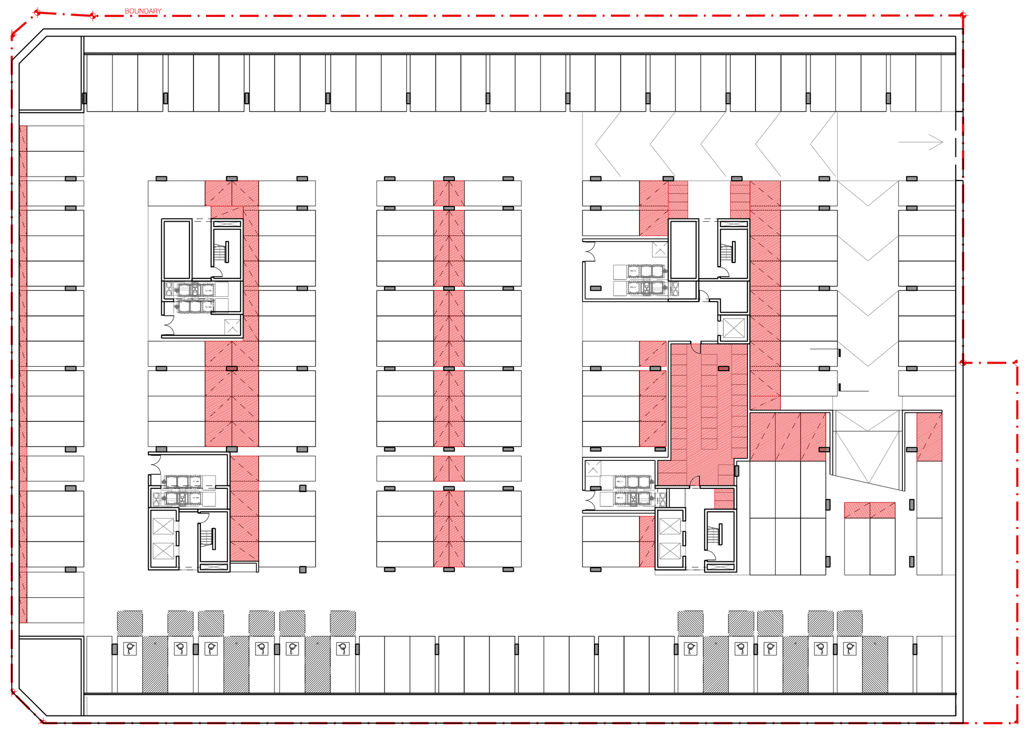
DRAWN BY:
SS

DRAWING:
AREA CALCULATIONS

DRAWING No.
DA – 1850

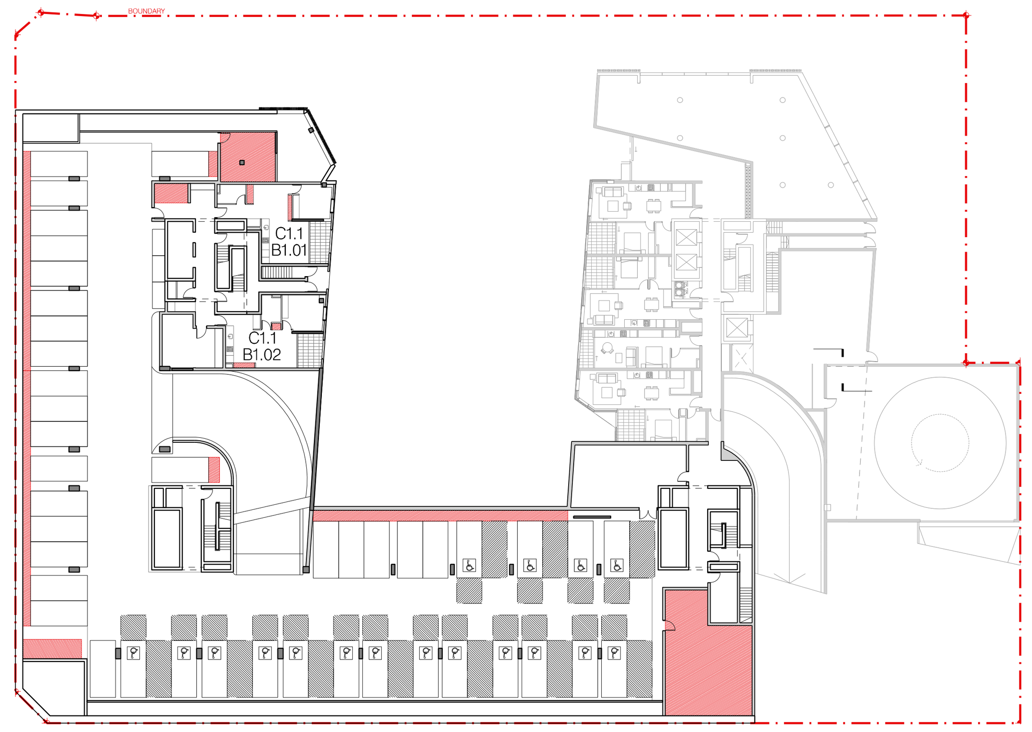
JOB No.
5800

ISSUE
B.

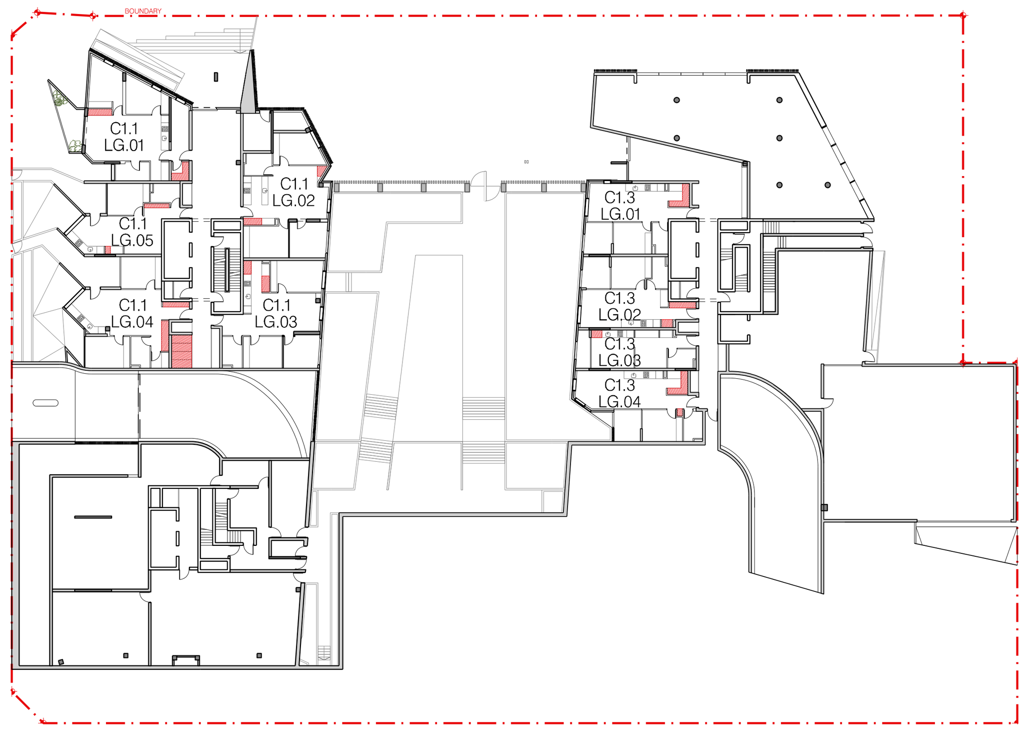


BASEMENT 1

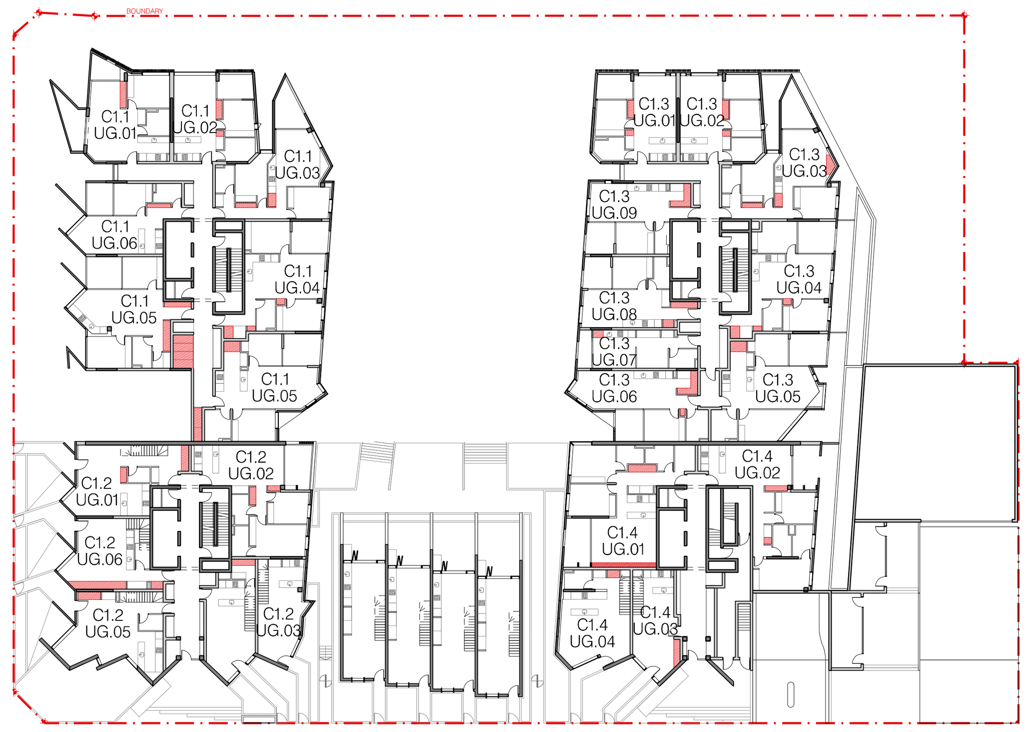
LOWER GROUND



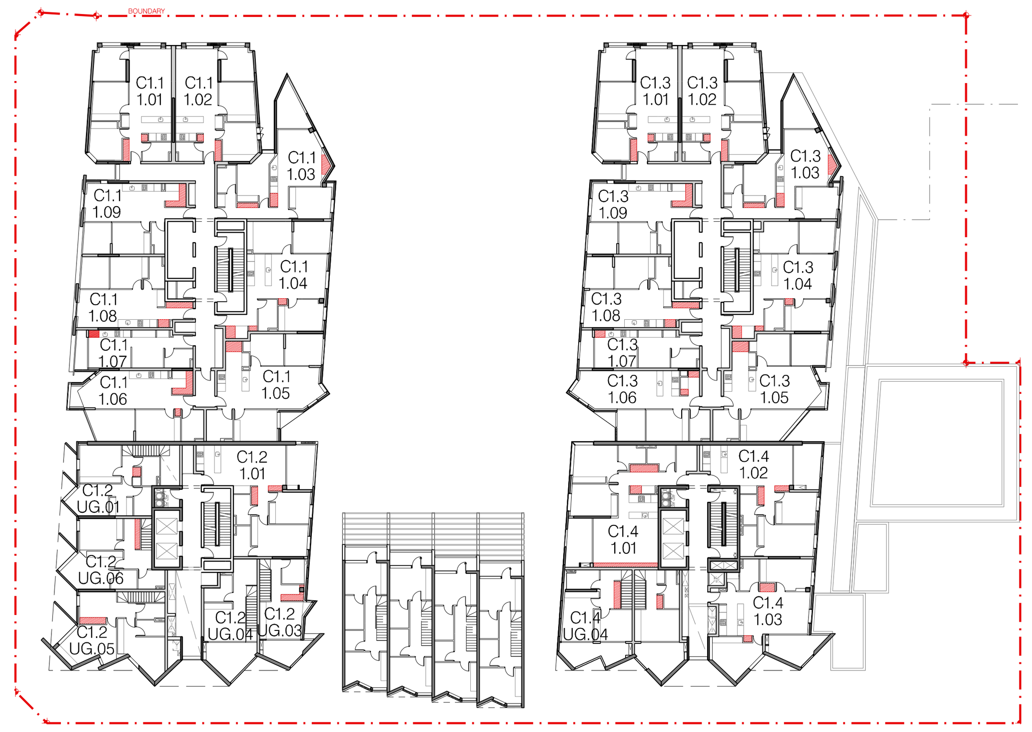
BASEMENT 1



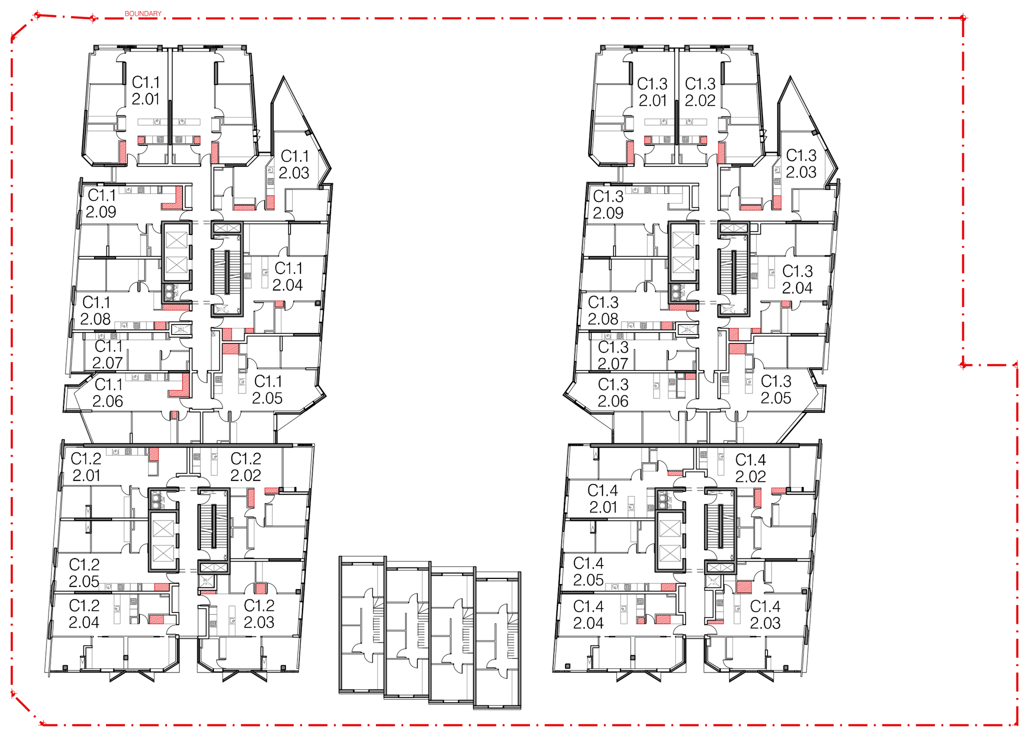
LOWER GROUND



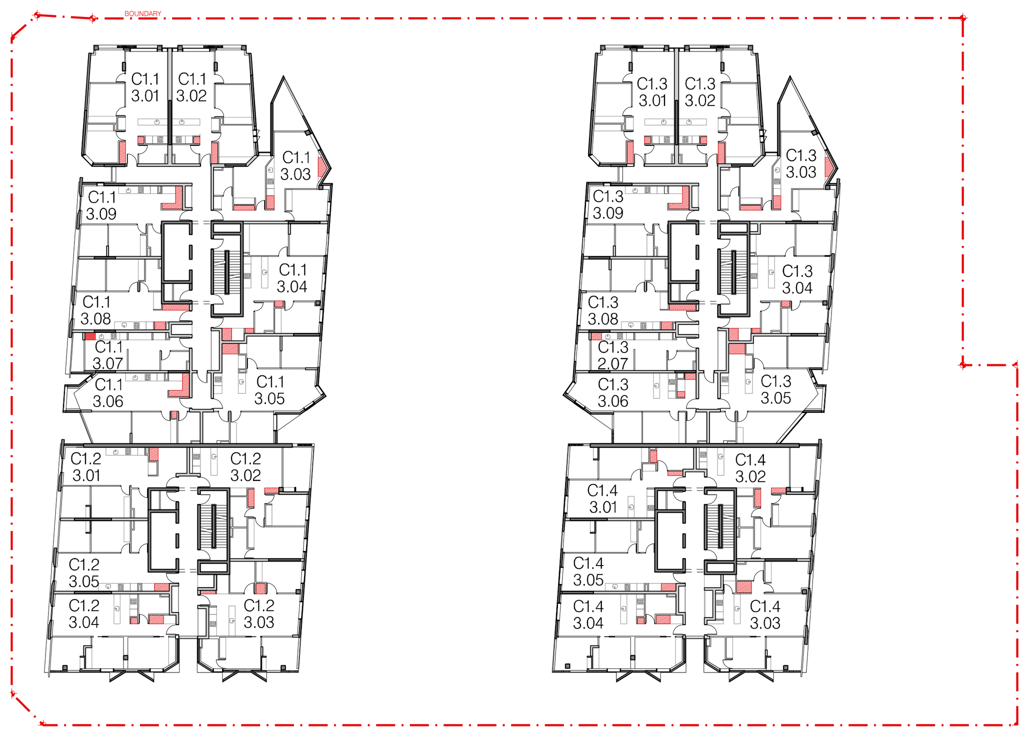
UPPER GROUND



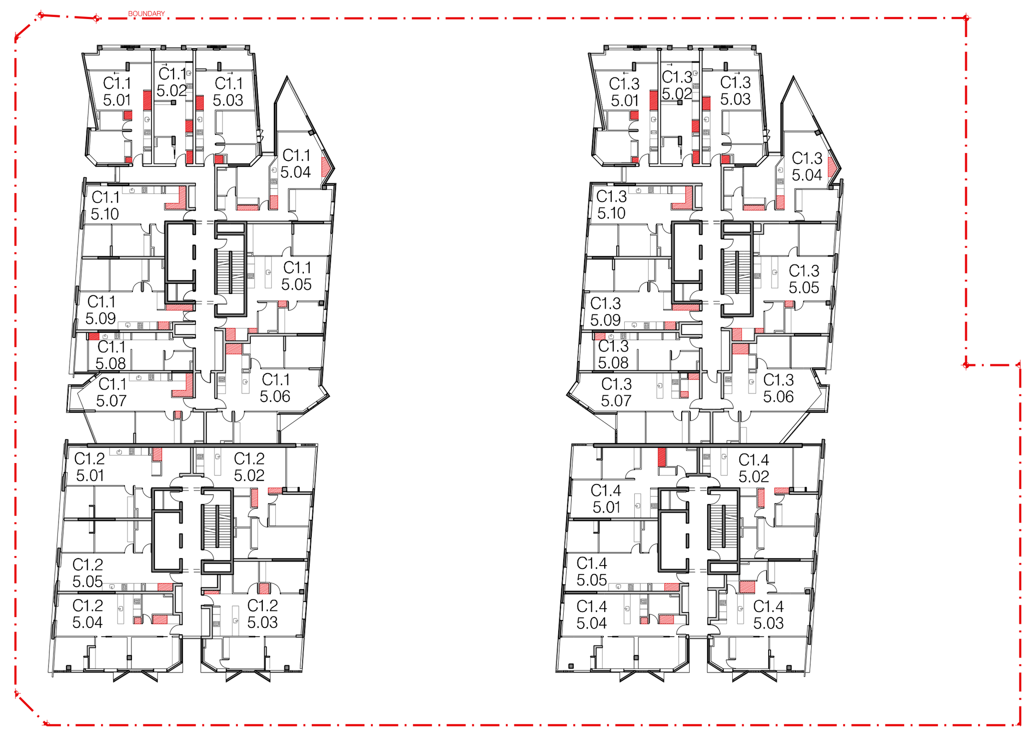
LEVEL 1



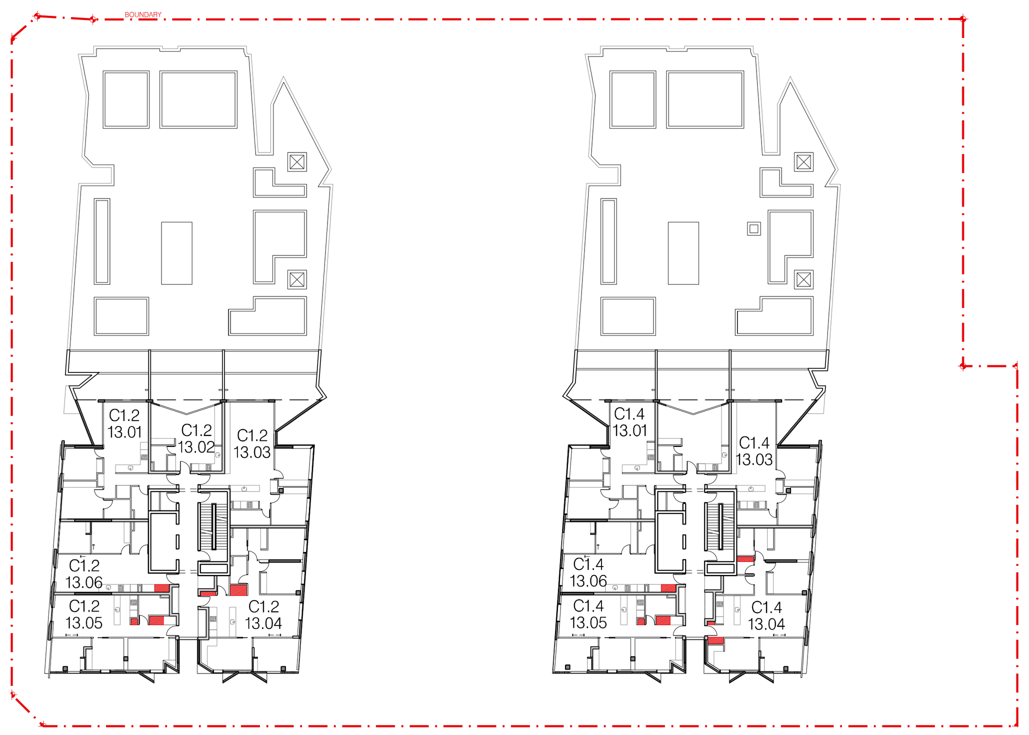
LEVEL 2



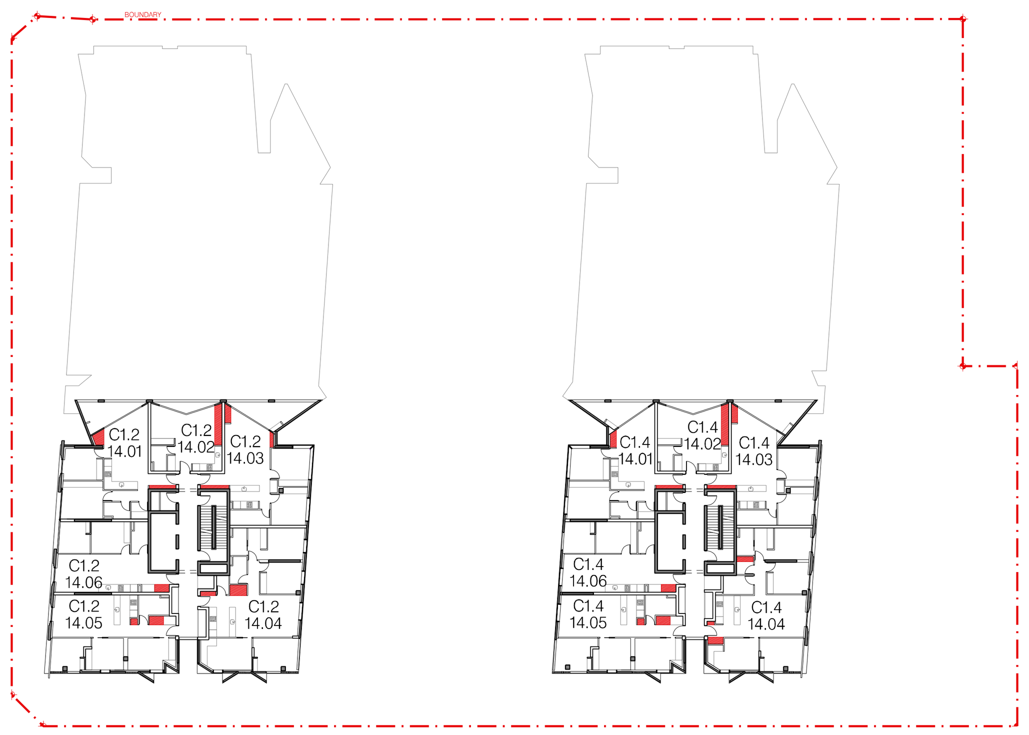
LEVELS 3 – 4



LEVELS 5 – 12



LEVEL 13



LEVELS 14 – 19

LEGEND

RESIDENTIAL APARTMENT STORAGE

STORAGE AREA CALCULATIONS

BUILDING C1.1

LEVEL	APT. No.	TYPE	INTERNAL STORAGE (CBM)	EXTERNAL STORAGE (CBM)	TOTAL STORAGE (CBM)
BASEMENT 1	B1.01	1B	4	2	6
	B1.02	1B	4	2	6
LOWER GROUND	LG1.01	2B	8	0	8
	LG1.02	2B	4	2	8
	LG1.03	2B	4	2	8
	LG1.04	2B	8	0	8
	LG1.05	1B	3	3	6
UPPER GROUND	UG1.01	1B	4	2	6
	UG1.02	1B	4	2	6
	UG1.03	2B	4	4	8
	UG1.04	2B	4	4	8
	UG1.05	2B ADP.	4	4	8
	UG1.06	2B	8	0	8
	UG1.07	1B	3	3	6
LEVEL 1–4	1.01	2B	4	4	8
	1.02	2B	4	4	8
	1.03	2B	8	0	8
	1.04	2B	4	4	8
	1.05	2B	4	4	8
	1.06	1B	6	0	6
	1.07	ST	2	2	4
	1.08	1B	6	0	6
	1.09	1B	6	0	6
LEVEL 5–12	5.01	1B	6	0	6
	5.02	ST	4	0	4
	5.03	1B	4	2	6
	5.04	2B	8	0	8
	5.05	2B	4	4	8
	5.06	2B ADP.	4	4	8
	5.07	1B	6	0	6
	5.08	ST	2	2	4
	5.09	1B	6	0	6
	5.10	1B	6	0	6

BUILDING C1.2

LEVEL	APT. No.	TYPE	INTERNAL STORAGE (CBM)	EXTERNAL STORAGE (CBM)	TOTAL STORAGE (CBM)
UPPER GROUND	UG1.01	2B	8	0	8
	UG1.02	2B	4	4	8
	UG1.03	2B	4	4	8
	UG1.04	2B	4	4	8
	UG1.05	2B	8	0	8
	UG1.06	2B	10	0	10
LEVEL 1	1.01	2B	4	4	8
LEVEL 2–12	2.01	1B	3	3	6
	2.02	2B	4	4	8
	2.03	2B ADP.	4	6	8
	2.04	2B	4	4	8
	2.05	1B	3	3	6
LEVEL 13	13.01	2B	4	4	8
	13.02	ST	6	0	6
	13.03	2B	10	0	10
	13.04	3B	5	5	10
	13.05	2B	4	4	8
	13.06	1B	3	3	6
LEVEL 14–19	14.01	2B	4	4	8
	14.02	ST	6	0	6
	14.03	2B	6	2	8
	14.04	3B	5	5	10
	14.05	2B	4	4	8
	14.06	1B	3	3	6

BUILDING C1.3

LEVEL	APT. No.	TYPE	INTERNAL STORAGE (CBM)	EXTERNAL STORAGE (CBM)	TOTAL STORAGE (CBM)
LOWER GROUND	LG1.01	1B	6	0	6
	LG1.02	1B	6	0	6
	LG1.03	ST	2	2	4
	LG1.04	1B	6	0	6
UPPER GROUND	UG1.01	1B	4	2	6
	UG1.02	1B	4	2	6
	UG1.03	2B	8	0	8
	UG1.04	2B	4	4	8
	UG1.05	2B ADP.	4	4	8
	UG1.06	1B	6	0	6
	UG1.07	ST	2	2	4
	UG1.08	1B	6	0	6
	UG1.09	1B	6	0	6
LEVEL 1–4	1.01	2B	4	4	8
	1.02	2B	4	4	8
	1.03	2B	8	0	8
	1.04	2B	4	4	8
	1.05	2B	4	4	8
	1.06	1B	6	0	6
	1.07	ST	2	2	4
	1.08	1B	6	0	6
	1.09	1B	6	0	6
LEVEL 5–12	5.01	1B	6	0	6
	5.02	ST	4	0	4
	5.03	1B	4	2	6
	5.04	2B	8	0	8
	5.05	2B	4	4	4
	5.06	2B ADP.	4	4	8
	5.07	1B	6	0	6
	5.08	ST	2	2	4
	5.09	1B	6	0	6
	5.10	1B	6	0	6

BUILDING C1.4

LEVEL	APT. No.	TYPE	INTERNAL STORAGE (CBM)	EXTERNAL STORAGE (CBM)	TOTAL STORAGE (CBM)
UPPER GROUND	UG1.01	2B	10	0	10
	UG1.02	2B	4	4	8
	UG1.03	1B	6	0	6
	UG1.04	2B	6	2	8
LEVEL 1	1.01	2B	10	0	10
	1.02	2B	4	4	8
	1.03	2B	4	4	8
LEVEL 2–12	2.01	1B	4	2	6
	2.02	2B	4	4	8
	2.03	2B	4	4	8
	2.04	2B	4	4	8
	2.05	1B	3	3	6
LEVEL 13	13.01	2B	4	4	8
	13.02	ST	6	0	6
	13.03	2B	10	0	10
	13.04	3B	5	5	10
	13.05	2B	4	4	8
	13.06	1B	3	3	6
LEVEL 14–19	14.01	2B	4	4	8
	14.02	ST	6	0	6
	14.03	2B	4	4	8
	14.04	3B	5	5	10
	14.05	2B	4	4	8
	14.06	1B	3	3	6

Issue	Date	Description
A.	16.09.19	FOR SSDA TO LAHC

Drawing Original Size A1

FOR DA PURPOSES ONLY

NOT FOR CONSTRUCTION

DO NOT SCALE THIS DRAWING. USE ONLY FIGURED DIMENSIONS. REPORT ANY DISCREPANCY TO THE ARCHITECT FOR CLARIFICATION PRIOR TO THE COMMENCEMENT OF ANY WORK.

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PROJECT:
IVANHOE ESTATE
EPPING ROAD, MACQUARIE PARK

CLIENT:
FRASERS PROPERTY IVANHOE

SCALE: 1:600@A1 / 1:1200@A3

0 5 10 30m

NORTH

DATE: SEP 2019

CHECKED 1: SS

CHKD2/APPD: EP

DRAWN BY: SS

DRAWING:
APARTMENT STORAGE AREA CALCULATIONS

DRAWING No. DA – 1851

JOB No. 5800

ISSUE A.