

# DEVELOPMENT APPLICATION

# PROPOSED MIXED USE DEVELOPMENT

13 - 19 Mary Street, Auburn

### **DEVELOPMENT SUMMARY**

**SITE AREA** 1,782.5 m2 (approx.)

**FSR CALCULATION** Permittable max. FSR = 5 : 1

PROPOSED FLOOR AREAGround Floor381.81 m2Level 1918.75 m2

Level 2 - 4 (typical) 909.61 m2 x 3 = 2,728.83 m2 Level 5 663.41 m2 Level 6-11 (typical) 666.64 m2 x 6 = 3,999.84 m2

TOTAL PROPOSED AREA 8,692.64 m2 ( FSR 4.87 : 1 )

BUILDING HEIGHT Permittable = 38m

Proposed = 40.8m ( to the top of lift over-run)

FRONT SETBACK Ground Fl. - Level 11 = Built to boundary (0 m)

**REAR SETBACK** Basement 4 - Ground FI = Built to boundary (0 m)

Level 1 - Level 11 = 10m

SIDE SETBACKS Ground Fl. - Level 4 = Built to boundary (0 m)

Level 5 - Level 11 = 6m min.

LANDSCAPED AREAS

COMMERCIAL / RETAIL AREAS 252.83 m2

COMMON OPEN SPACE Level 1 podium = 424.47 m2

 Rooftop Terrace
 =
 377.37 m2

 TOTAL
 =
 801.84 m2

<u>Unit Mix / Yield</u>

	1BR	2BR	3BR	Total
L1 L2-4 L5 L6-11	9 units (5AD) 3 x 6 units = 18 units (6AD) 2 units 2 x 6 units = 12 units	4 units 3 x 6 units = 18 units 6 units 4 x 6 units = 24 units	  2 x 6 units = 12 units	13 units 36 units 8 units 48 units
Total	41 units (11AD) - 39%	52 units - 49.5%	12 units - 11.5%	105 units - 100%

<sup>\*</sup> AD = Adaptable Unit

### PARKING CALCULATION - ( ADCP 2010 )

No.of Bedrooms	Minimum Car Spaces required	Maximum Car Spaces required
4DD 44	44 4	44 4
1BR - 41 units	41 x 1 space = 41 spaces	41 x 1 space = 41 spaces
2BR - 52 units	52 x 1.2 spaces = 63 spaces	52 x 3 spaces = 156 spaces
3BR - 12 units	12 x 1.5 spaces = 18 spaces	12 x 4 spaces = 48 spaces
Visitor (101-250 units)	12 spaces	55 spaces
Commercial	1 space per 60 m2 = 5 spaces	4 spaces per 40 m2 = 26 spaces

TOTAL 96 units 139 spaces 326 spaces

Total car parking provided on Ground FL podium + four basements levels = 193 car spaces

Bicycle parking (1 every 5 units) 20 spaces provided (GF plan)



enquiries@bu	ildingsustainability.net.au	www. b	uildingsustaina	bility.net.au
the Assessor Če	Important Not ecification was used to achieve the ertificate and takes precedence over ruction elements are applied then	e thermal pe er any other	specification.	
The	rmal Performance Specification	s (does no	ot apply to garage	2)
External Wall C	•	•		ded Insulation
75mm AAC ver	neer			R2.0
Internal Wall C	onstruction		Aa	Ided Insulation
Plasterboard or	n studs			none
200mm AAC pa	arty walls			none
Ceiling Constru	ction		Ad	ded Insulation
Plasterboard	R2.0 to ceilir	igs adjacent	to roof space and	decks above
Roof Construction Colour Added Insulation				
Metal	Any		Foil +	R1.0 blanket
Concrete	Any			none
Floor Construct	tion <i>Covering</i>		Ad	ded Insulation
Concrete	As drawn	R2.0	0 to Unit 113 where	e open below
Windows	Glass and frame type	U Value	SHGC Range	Area sq m
ALM-001-01 A	Aluminium Type A Single clear	6.70	0.51 - 0.63	As drawn
ALM-002-01 A	Aluminium Type B Single clear	6.70	0.63 - 0.77	As drawn
	re awning windows, bifolds, casements			
31	re double hung windows, sliding windo			er doors, louvres
Skylights	Glass and frame type	U Va	lue SHGC	Area sq m

(eaves, verandahs, pergolas, awnings etc)

(downlights, exhaust fans, flues etc)

No adjustment has been made for losses to insulation arising from ceiling penetrations.

is lower and the SHGC is within the range specified

External Window Shading

**Ceiling Penetrations** 

All shade elements modelled as drawn

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Drawing Schedule

Cover Sheet

01 Development Summary

02 Site Analysis 0103 Site Analysis 02

04 Urban Context Analysis 01

5 Urban Context Analysis 02

6 Basement 4 Plan

7 Basement 3 Plan

8 Basement 2 Plan

Basement 1 Plan

Site Plan

Ground FI Plan

Level 1 Plan - Podium
Level 2-4 Plan (Typical)

Level 5 Plan

Level 6-10 Plan (Typical)

16 Level 11 Plan

17 Rooftop Terrace

18 Top Roof Plan

19 South Elevation - Mary St frontage

North Elevations
East Elevation

West Elevation

Section A

Section B

Section C

Section D

Shadow Diagram 01 (Winter Solstice)
Shadow Diagram 02 (Winter Solstice)

Shadow Diagram ( Equinox & Summer Solstice )

Solar & Cross Ventilation Diagrams

DA-B DRAWINGS AMENDED. RE-ISSUED FOR DEVELOPMENT APPLICATION.

DA-A ISSUED FOR DEVELOPMENT APPLICATION 08/02/2017 YT AHM

ISSUE AMENDMENT DATE DRAWN CHECKED

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### Development Application

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MIXED USE DEVELOPMENT

13 - 19 Mary Street Auburn NSW 2144

L.G.A: Cumberland Council



SCALE:

SHEET TITLE:

8400

Development Summary

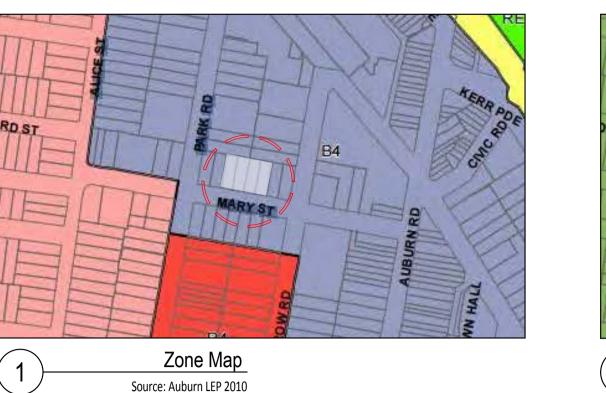
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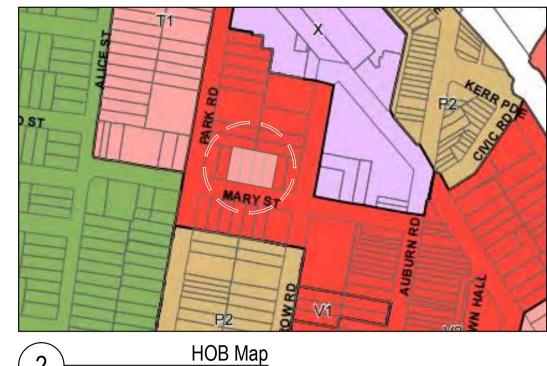
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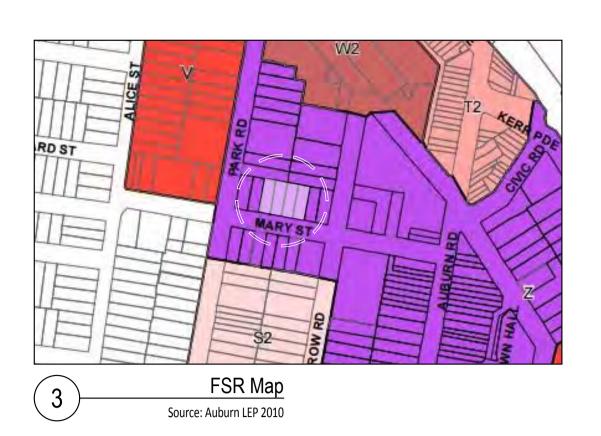


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Source: Auburn LEP 2010









Public Open Space Railway Line / Auburn Station



### PROXIMITY TO LOCAL AMENITIES

Source: SIXMAPS

#### To transport node

- Auburn train station is 500m from the site
- Bus stops are along Mary St, Harrow St and Park Rd.

#### To educational facilities

- Trinity College is 100m from the site
- Auburn Public School is 400m from site

#### To town centre

- Auburn town centre is 260m from the site

#### To public open space

- Auburn Memorial Park is 550m from the site - Mona Park is 935m from site

## To medical centre / hospital

- Auburn Medical Centre is 300m from site - St. Joseph Hospital Sydney is 650m from site

### To community facilities

- Auburn community centre is 210m from site

- Auburn public library is 325m from site

School

Bus Stop (closest to site)

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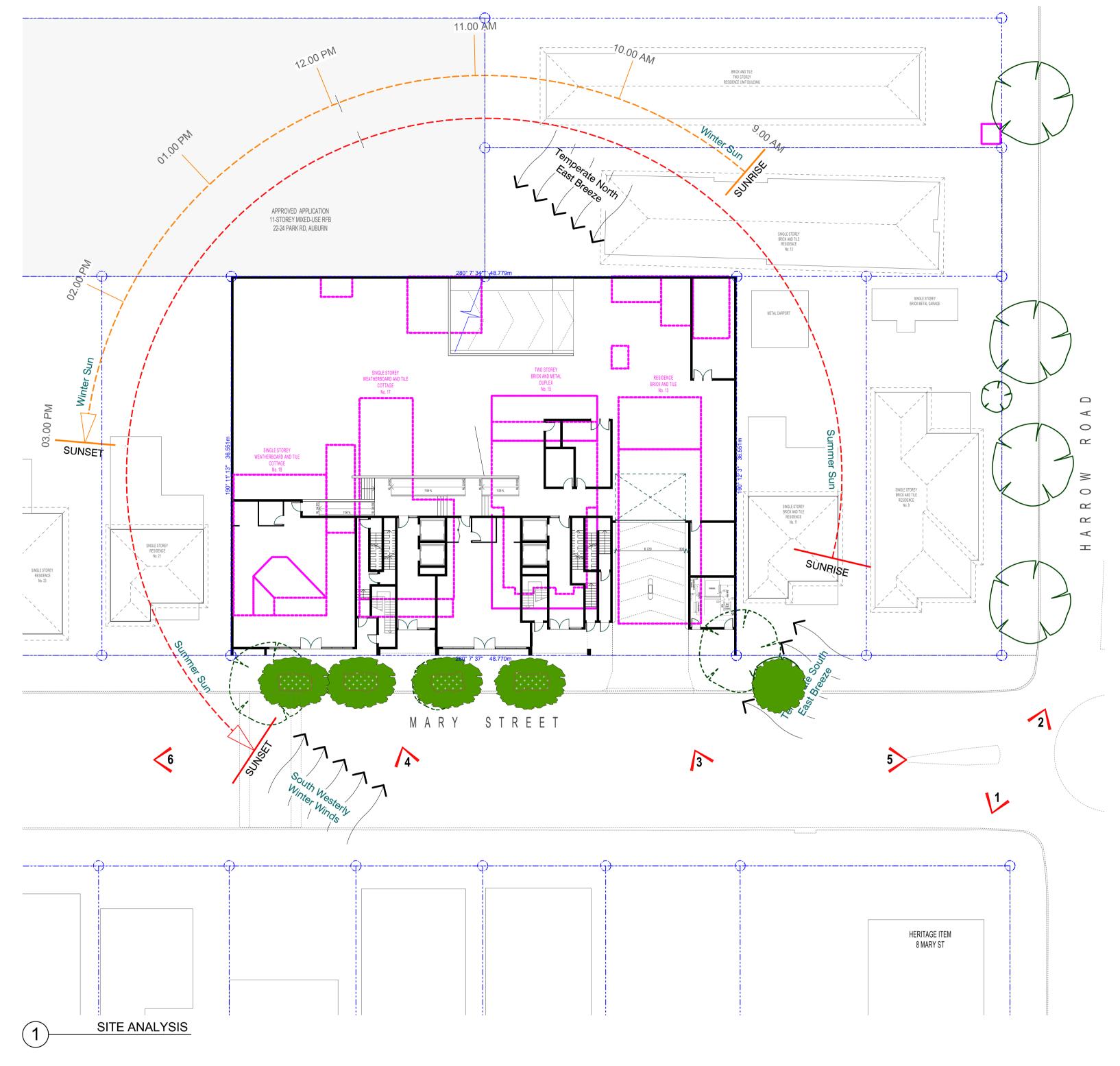
Site Analysis 01

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1. Heritage item - 8 Mary Street SOURCE: GOOGLE STREET VIEW



2. Looking North on Harrow Road SOURCE: GOOGLE STREET VIEW



3. Site 13-17 Mary St SOURCE: GOOGLE STREET VIEW



4. Site 17-19 Mary St SOURCE: GOOGLE STREET VIEW



5. Looking East on Mary Street SOURCE: GOOGLE STREET VIEW



6. Looking West on Mary Street SOURCE: GOOGLE STREET VIEW

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### MIXED USE DEVELOPMENT

13 - 19 Mary Street Auburn NSW 2144

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SHEET TITLE:

Site Analysis 02

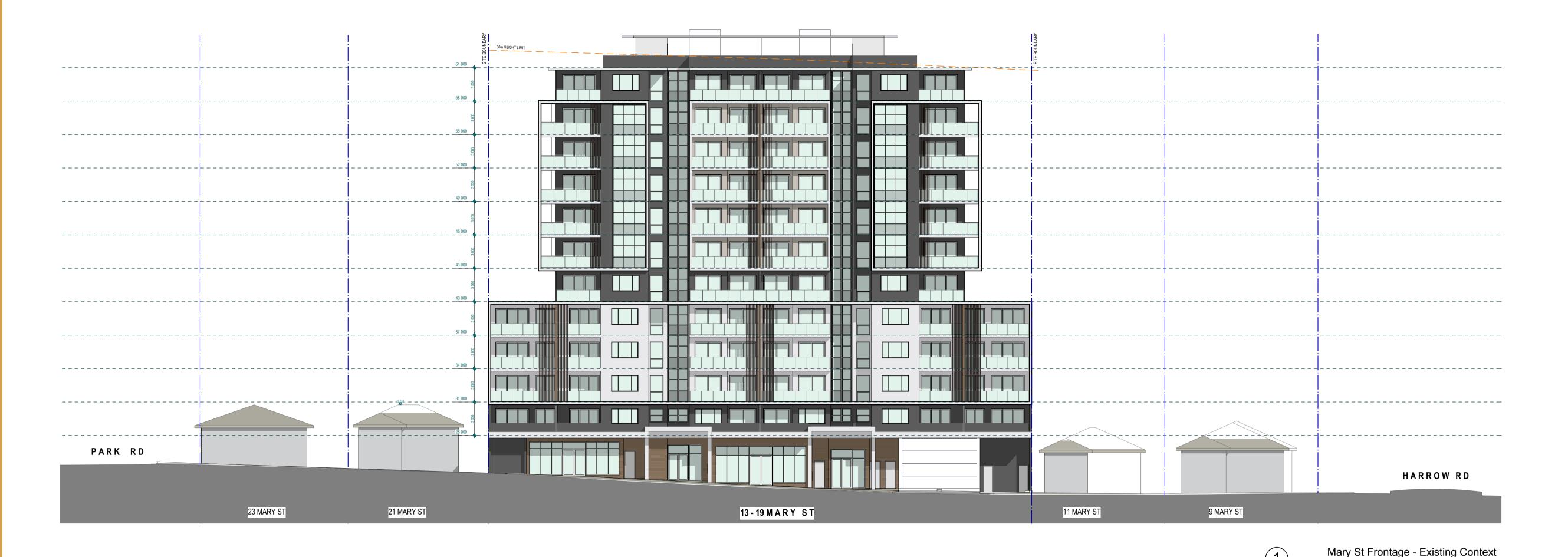
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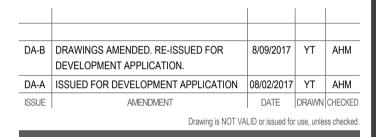


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Mary St Frontage - Future Context (indicative)



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Urban Context Analysis 01

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EXISTING CONTEXT - CNR OF MARY ST & PARK RD

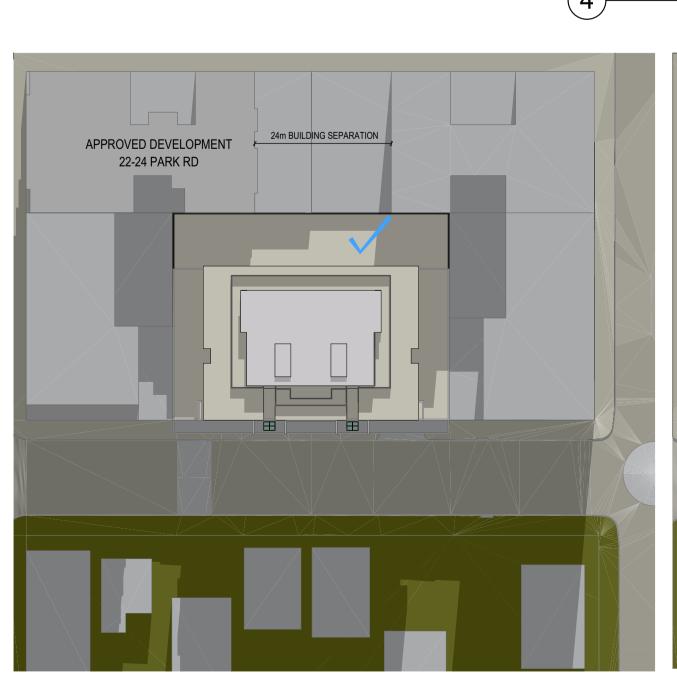


EXISTING CONTEXT - CNR OF MARY ST & HARROW RD

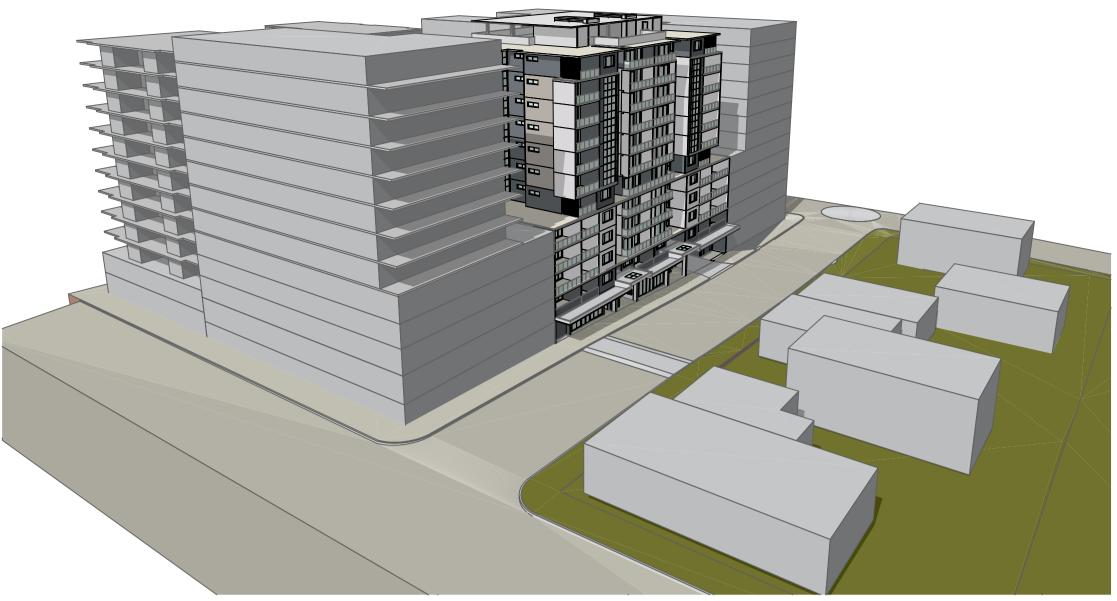
SHADOW 10AM - 2I JUNE (FUTURE CONTEXT)

APPROVED DEVELOPMENT 24m BUILDING SEPARATION

22-24 PARK RD



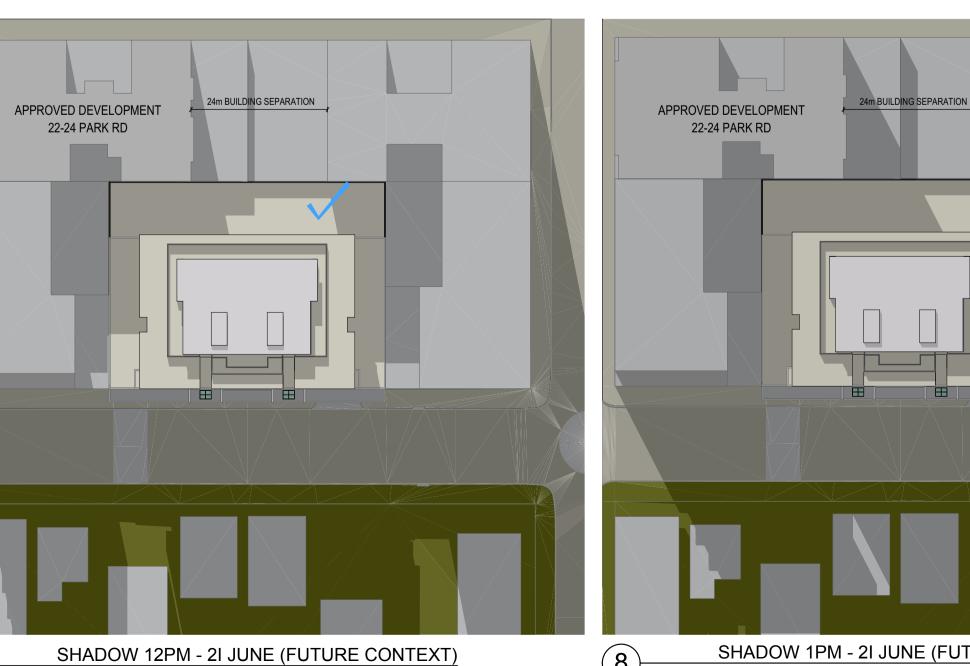
6 SHADOW 11AM - 2I JUNE (FUTURE CONTEXT)



FUTURE CONTEXT CNR OF MARY ST & PARK RD (INDICATIVE)



FUTURE CONTEXT CNR OF MARY ST & HARROW RD (INDICATIVE)



SHADOW 1PM - 2I JUNE (FUTURE CONTEXT)

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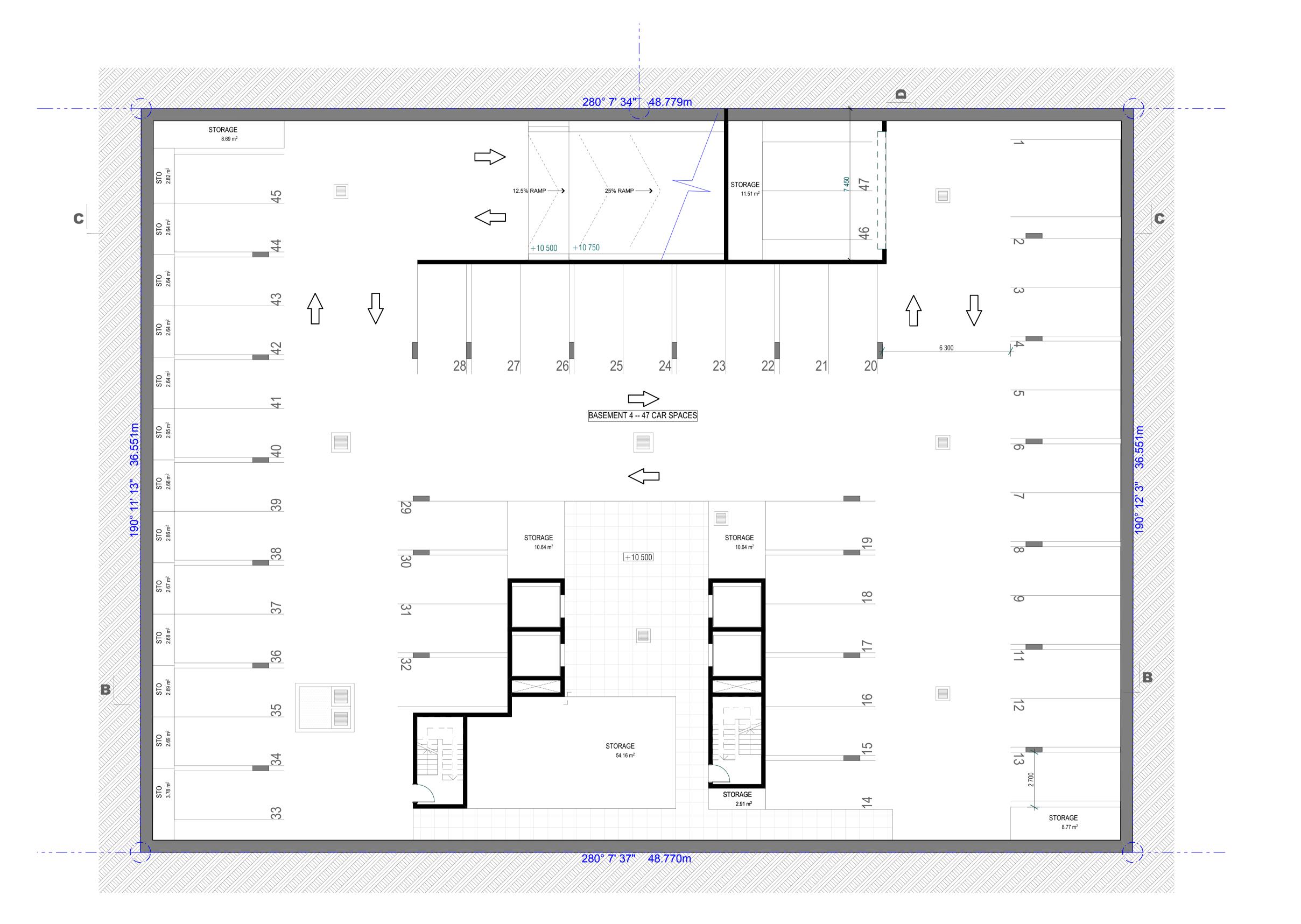


Urban Context Analysis 02

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### Basement 4 Plan

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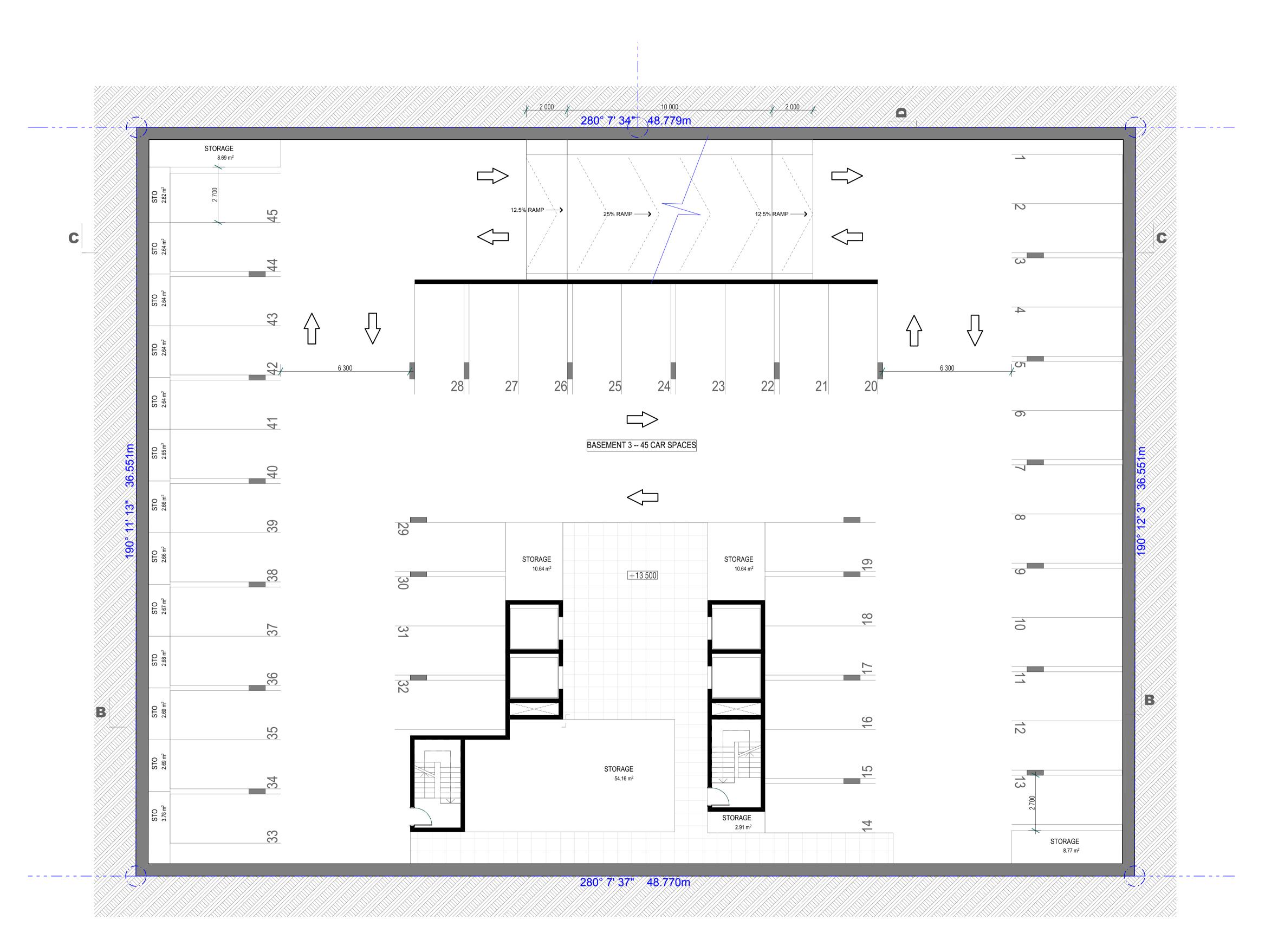
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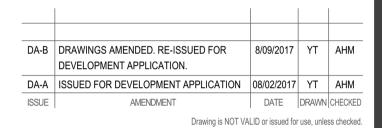
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### MIXED USE DEVELOPMENT

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### Basement 3 Plan

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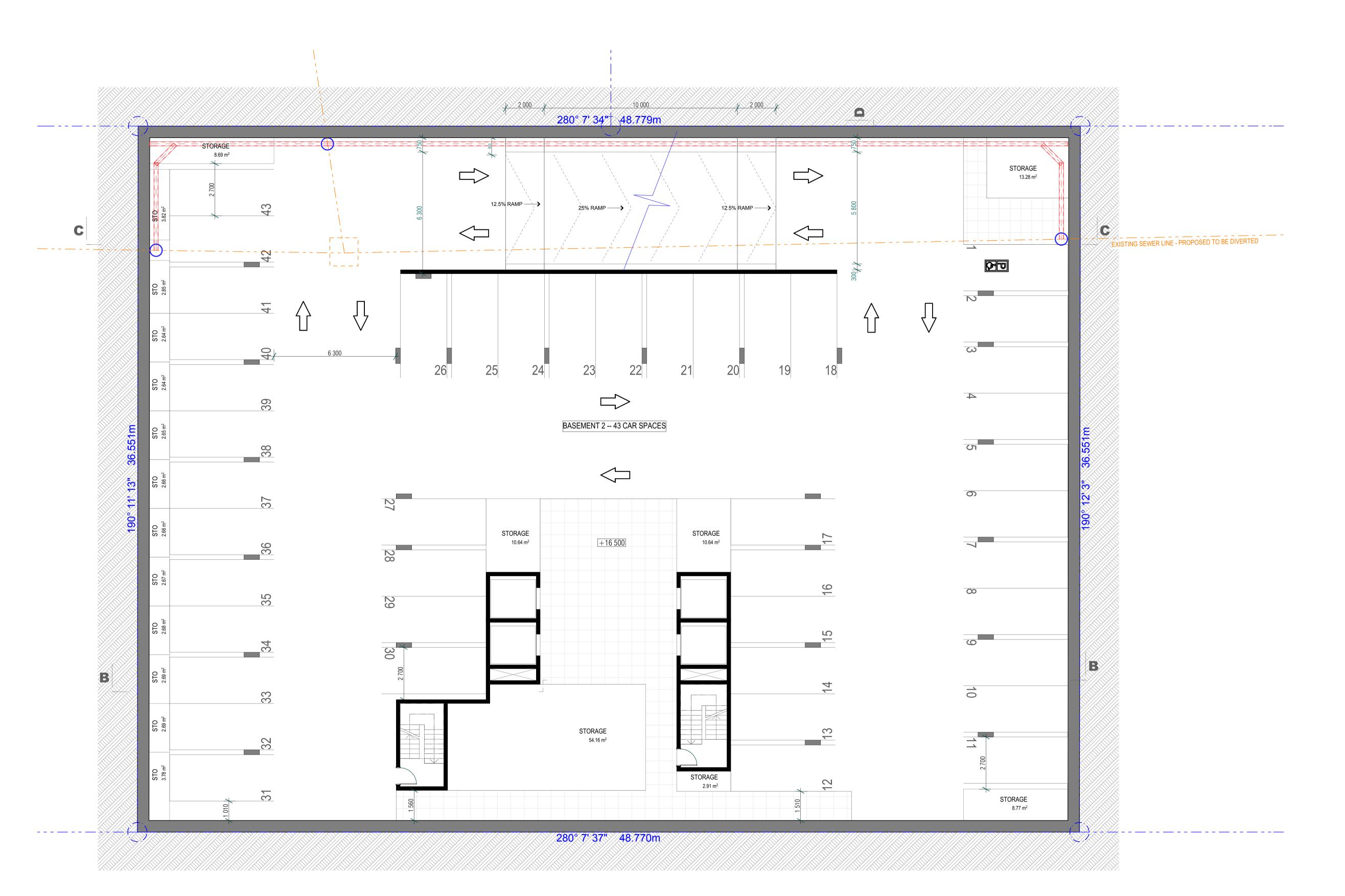
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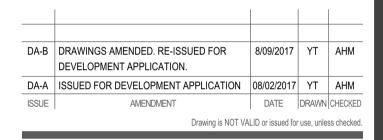
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### Basement 2 Plan

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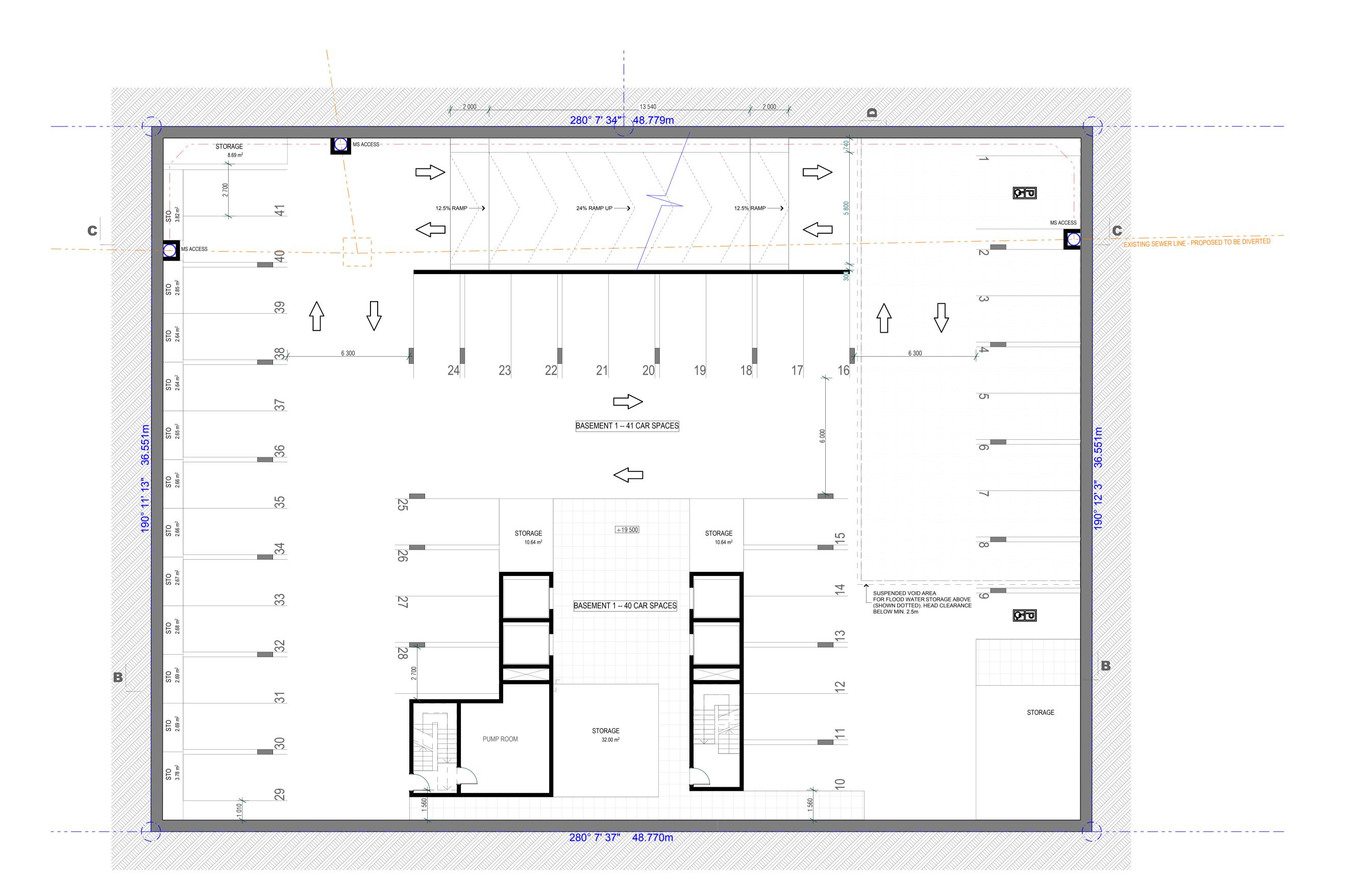
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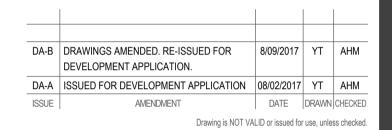
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### Basement 1 Plan

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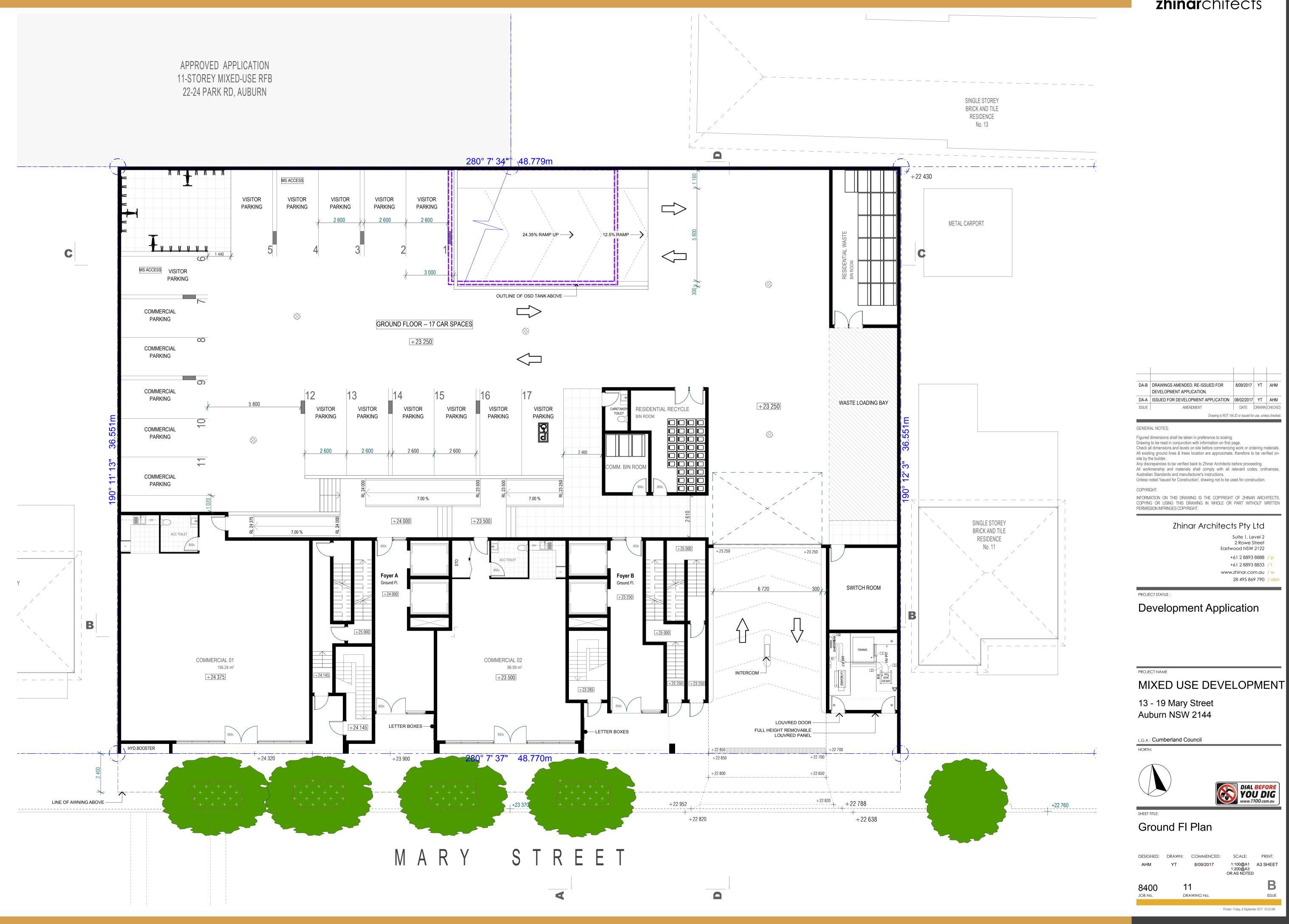
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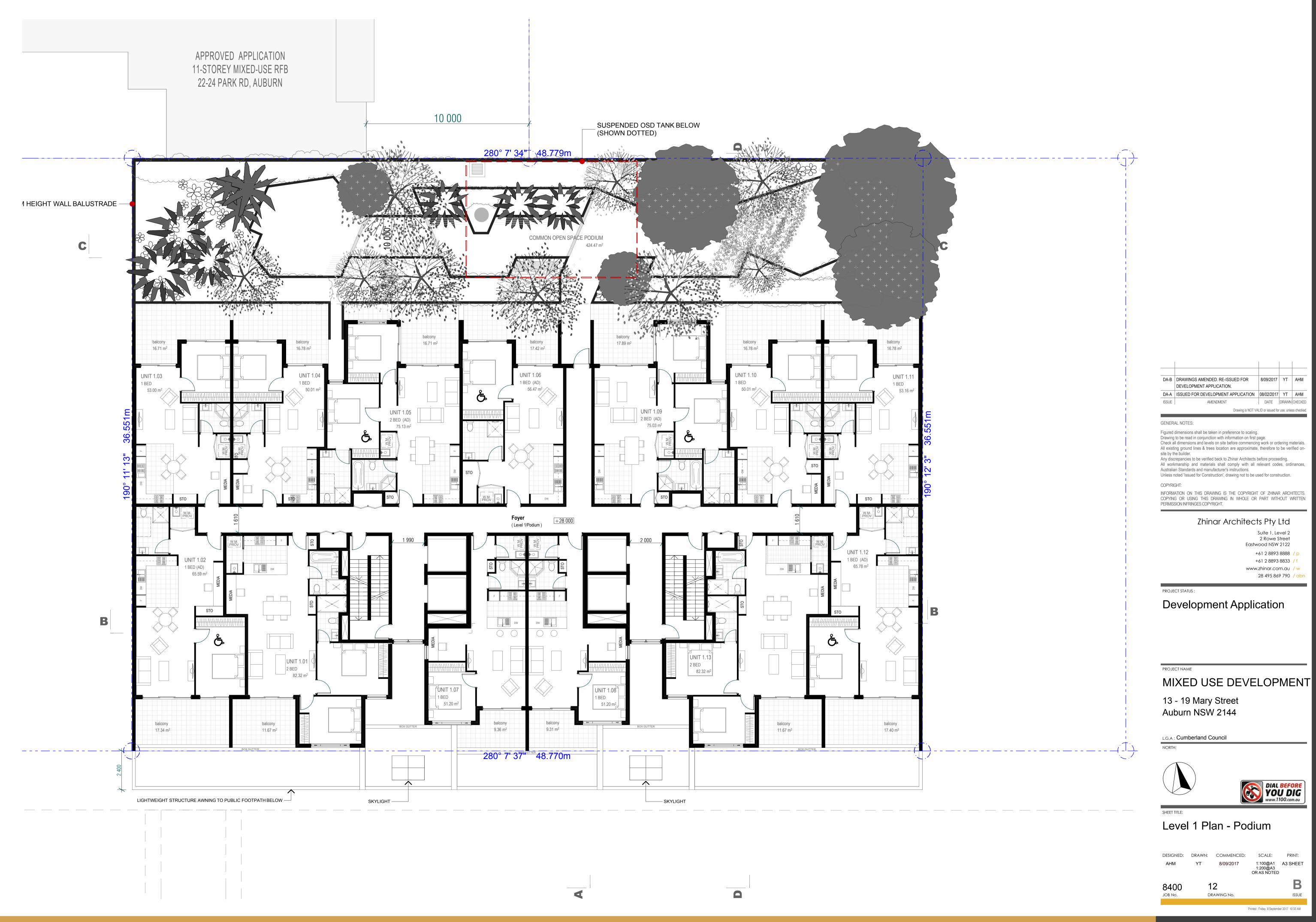
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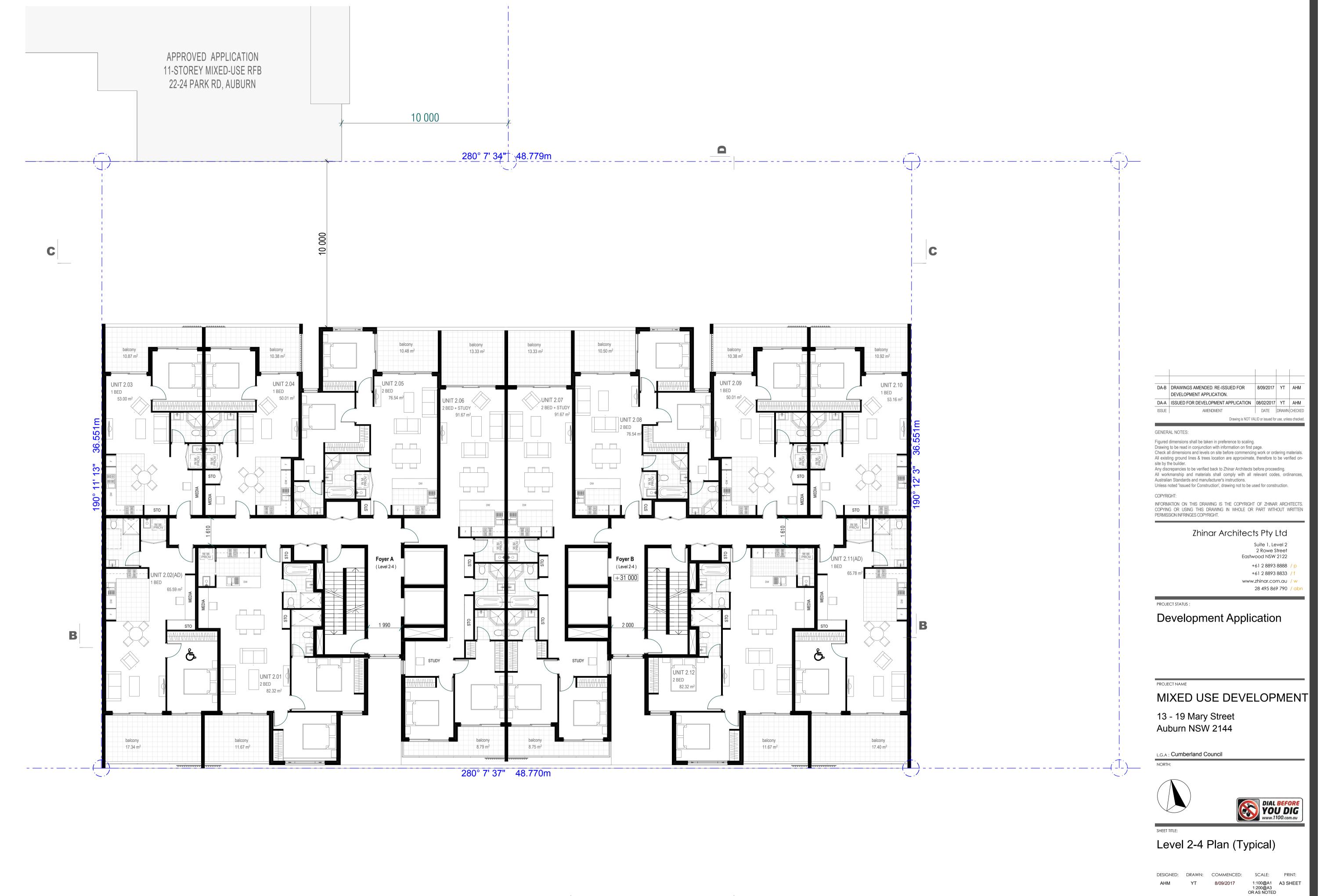
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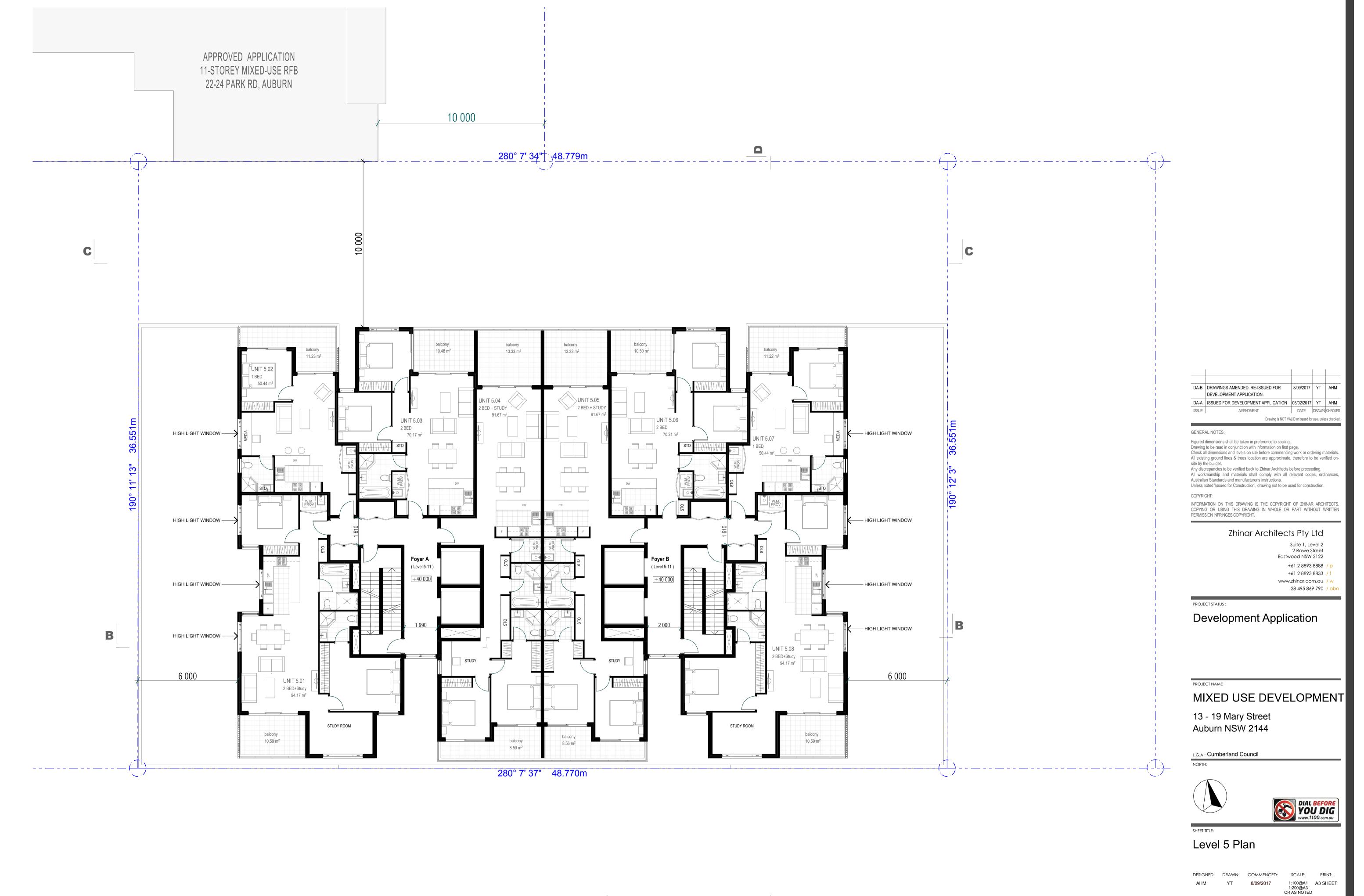




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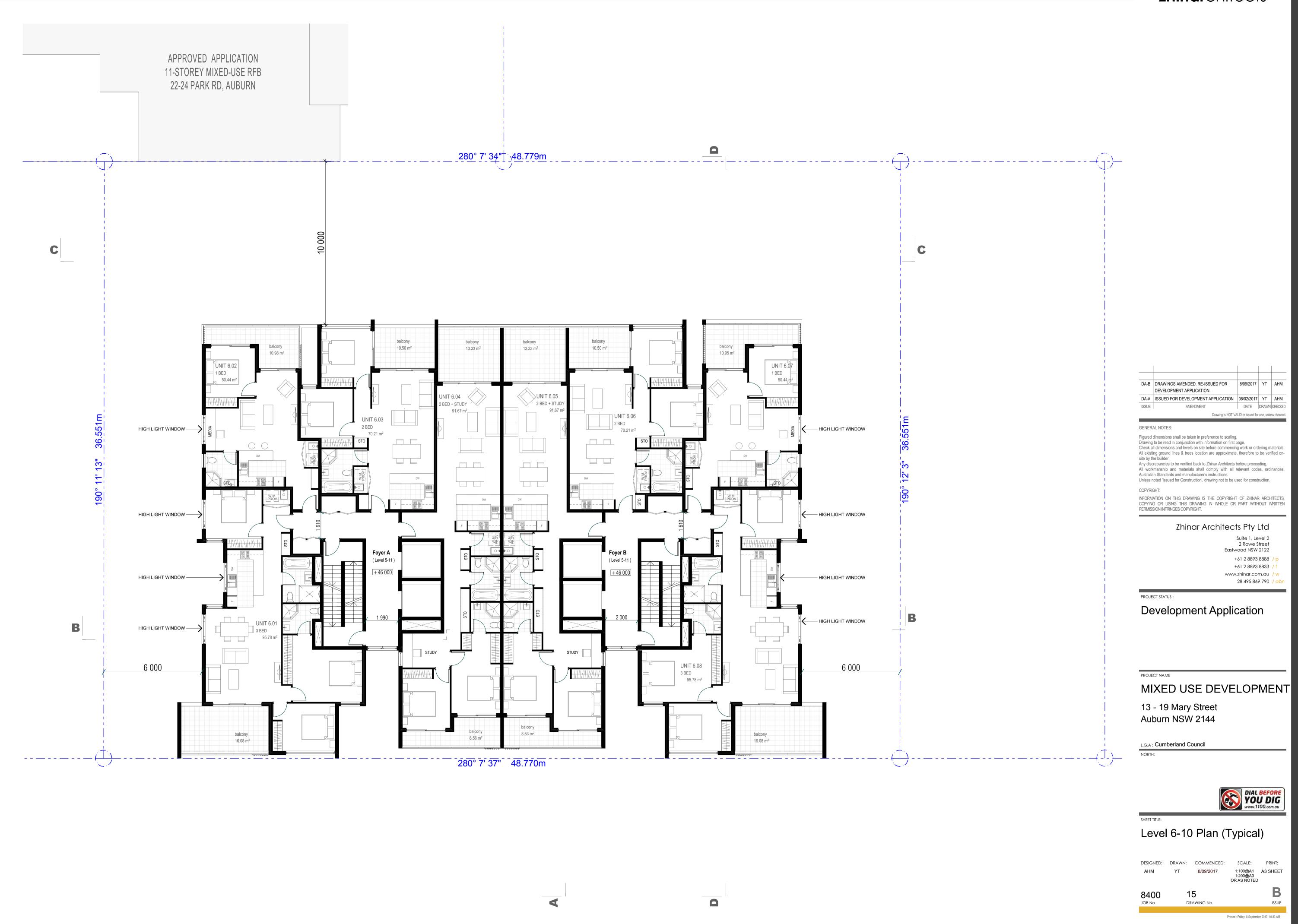


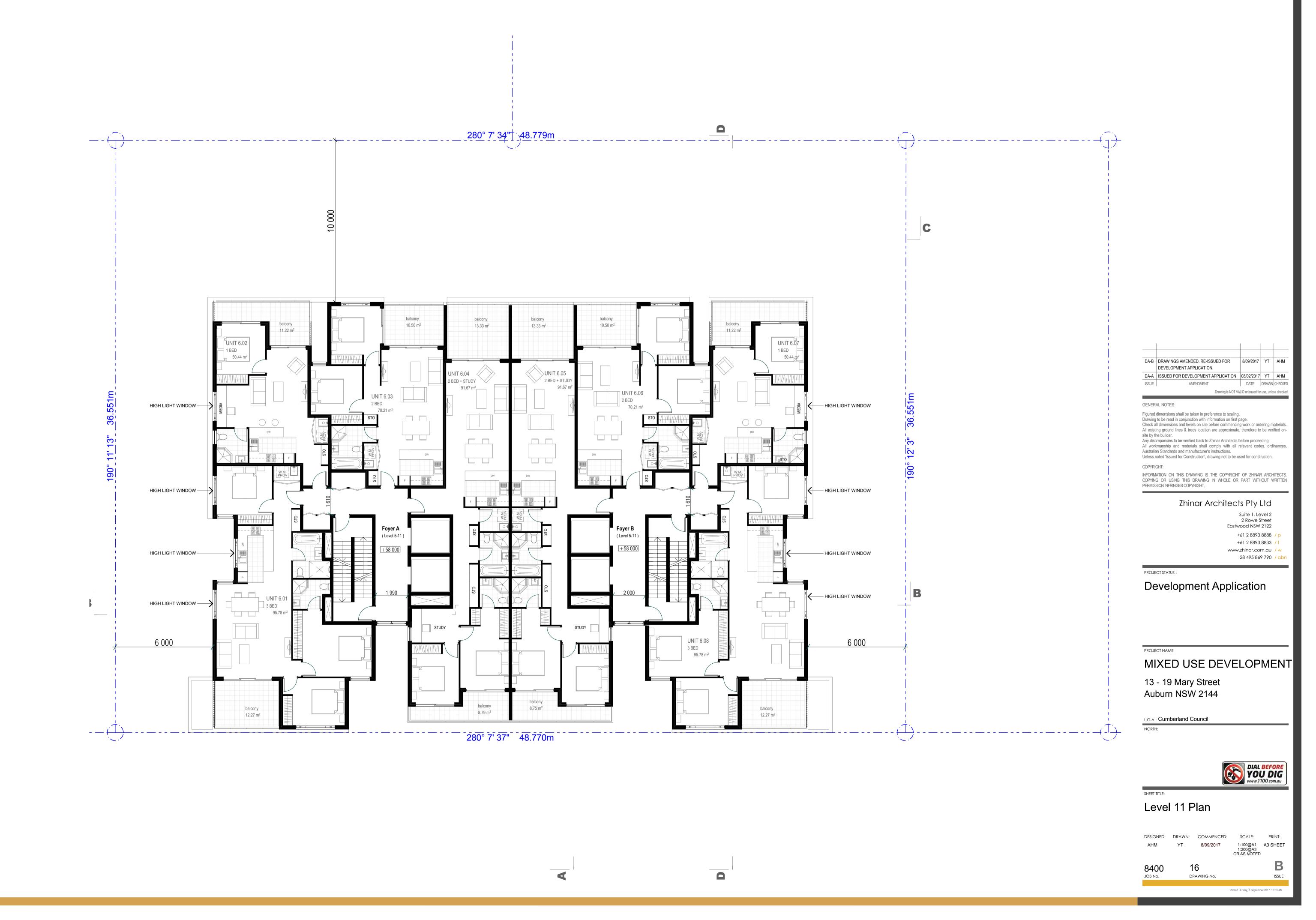
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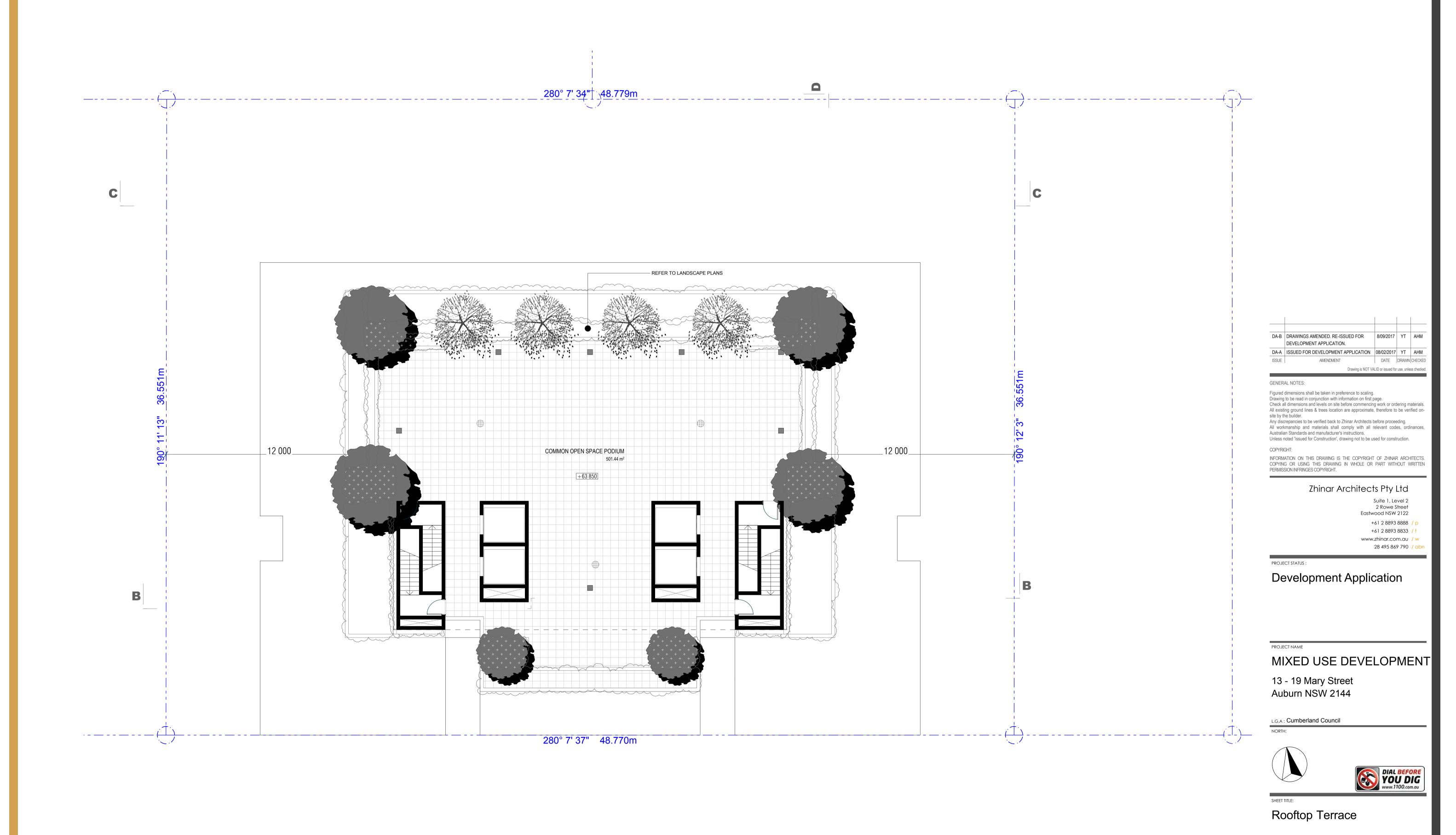
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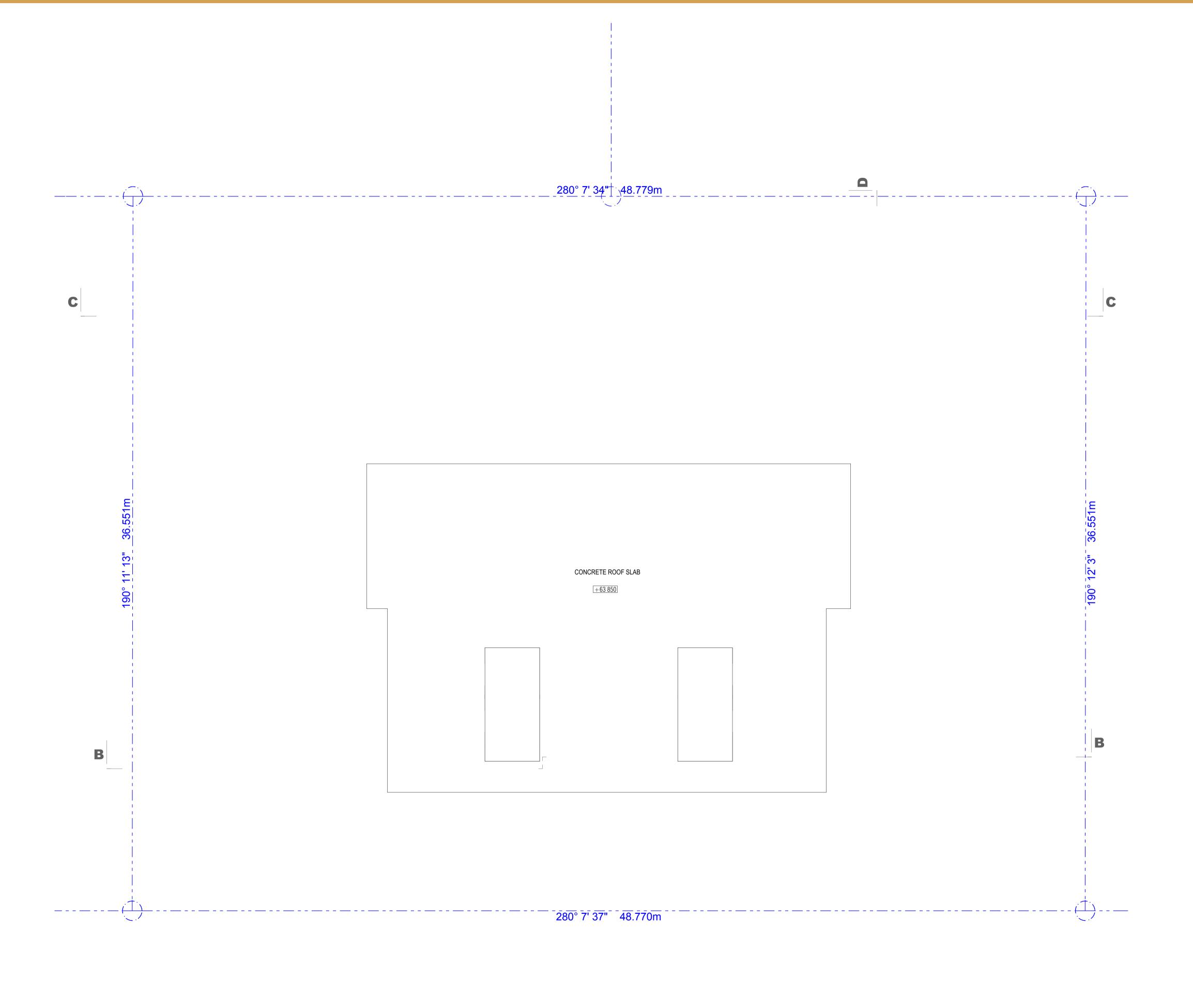
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www.zhinar.com.au /w 28 495 869 790 / abn

### PROJECT STATUS :

### Development Application

PROJECT NAME

## MIXED USE DEVELOPMENT

13 - 19 Mary Street Auburn NSW 2144

L.G.A : Cumberland Council





SHEET TITLE:

Top Roof Plan

DESIGNED: DRAWN: COMMENCEI
AHM YT 8/09/2017

1:100@A1 A3 SHEET 1:200@A3 OR AS NOTED

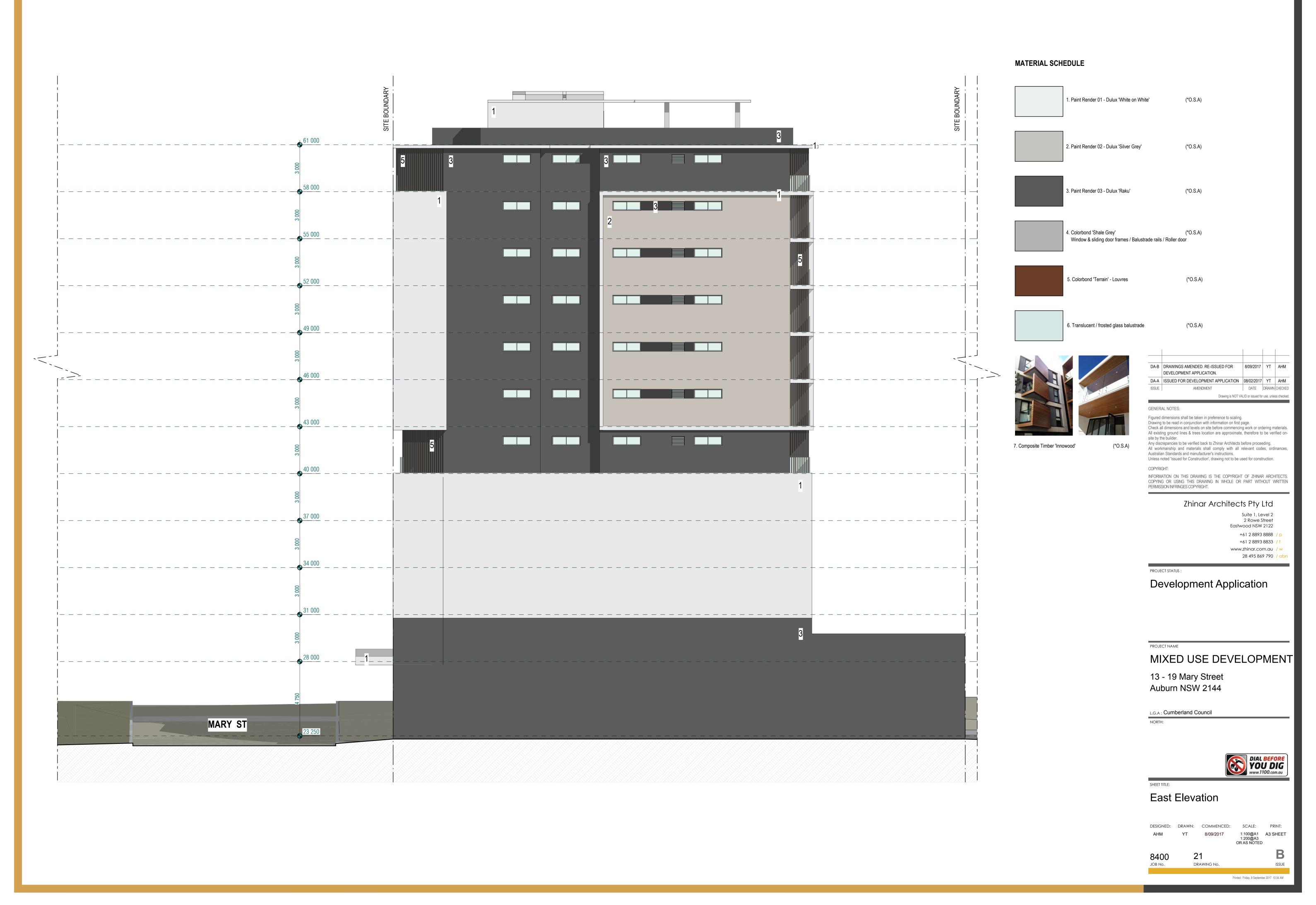
8400 18 JOB No. DRAWING No.

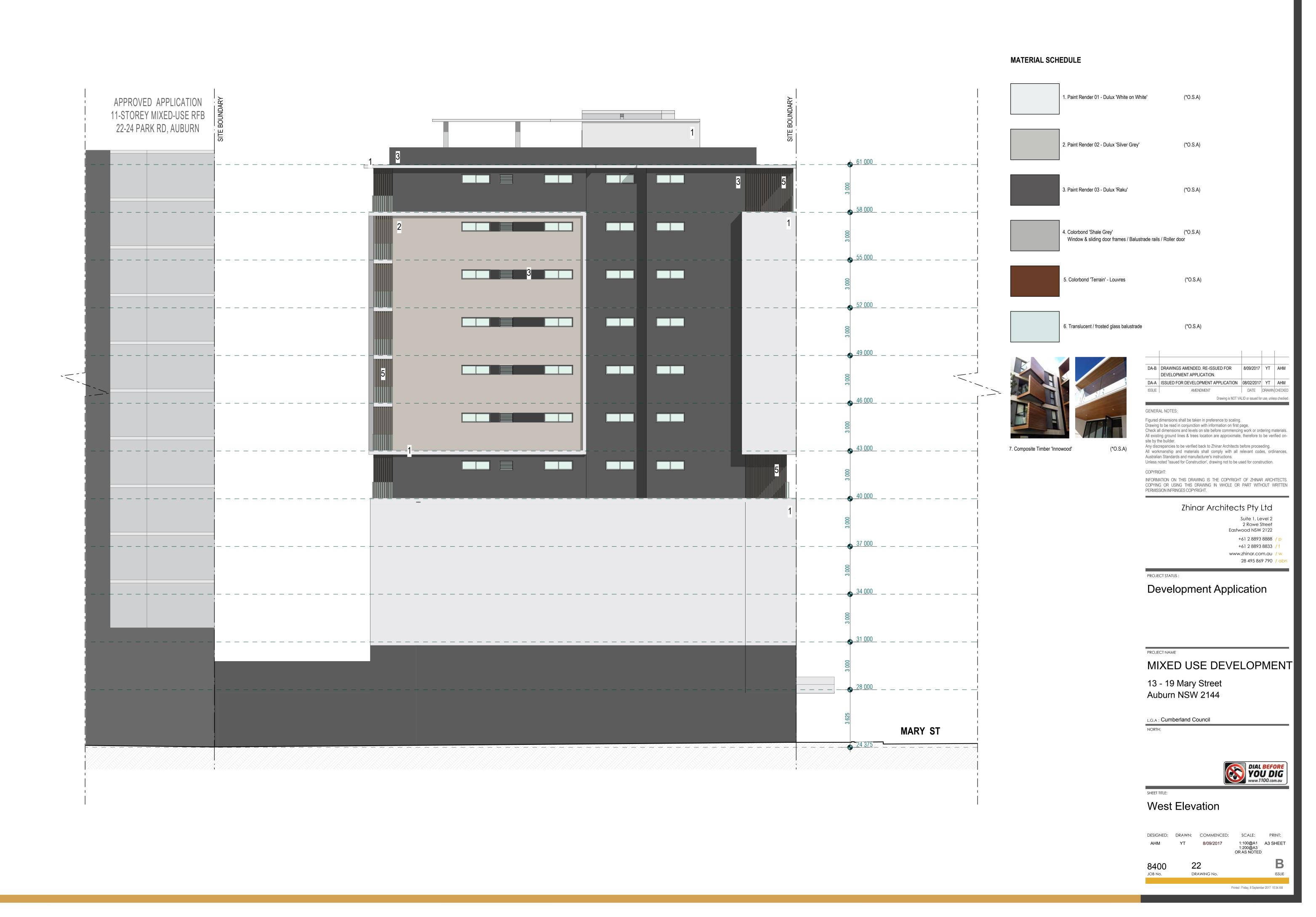


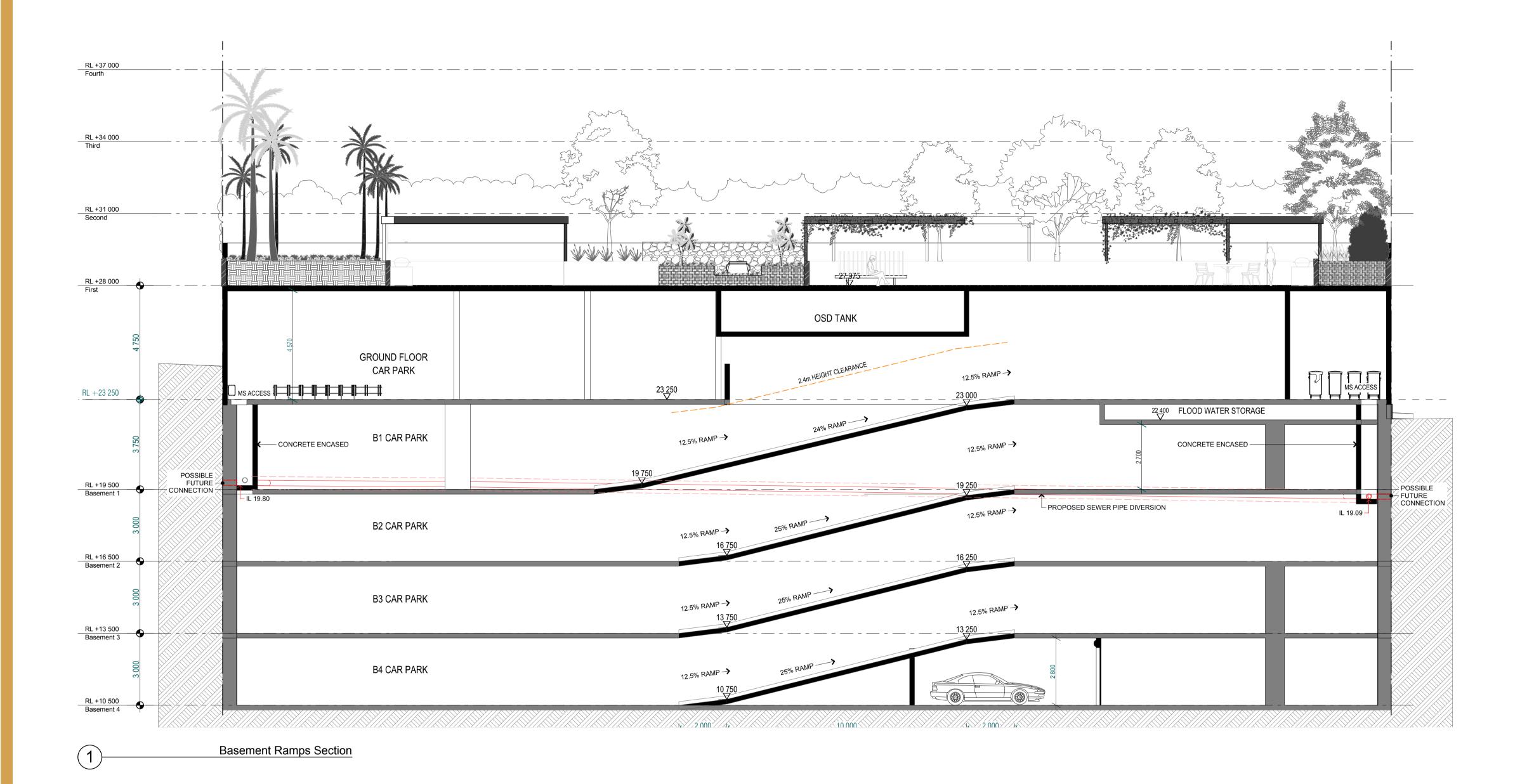
Printed : Friday, 8 September 2017 10:33 AM











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Australian Standards and manufacturer's instructions.

DA-A ISSUED FOR DEVELOPMENT APPLICATION | 08/02/2017 | YT | AHM

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PROJECT STATUS :

### Development Application

PROJECT NA

## MIXED USE DEVELOPMENT

13 - 19 Mary Street Auburn NSW 2144

L.G.A : Cumberland Council

NORTH:



Section C

8400

DESIGNED: DRAWN: COMMENCED: SCALE:

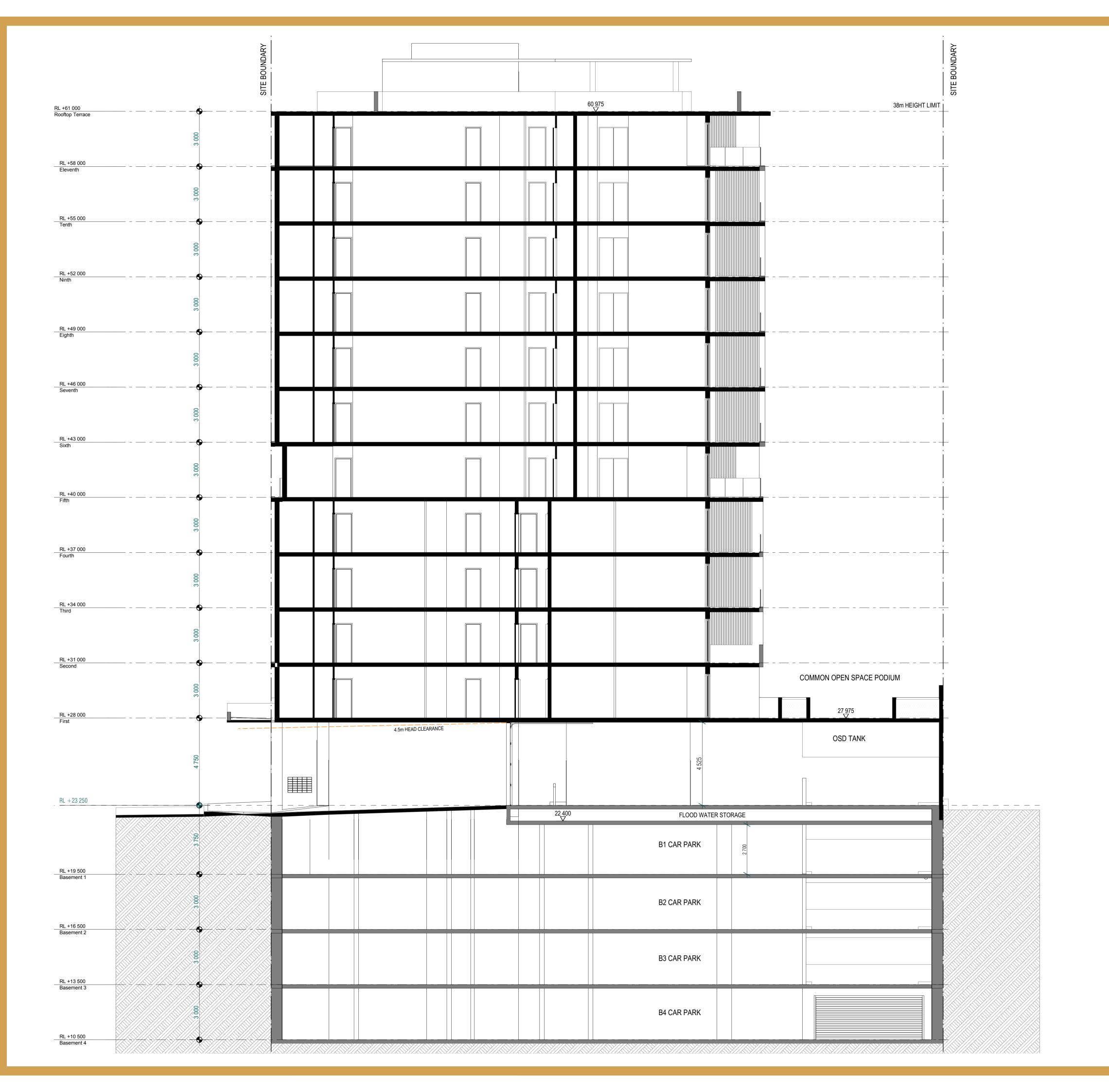
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: SCALE: PRINT: 1:100@A1 A3 SHEET 1:200@A3 OR AS NOTED

25 DRAWING No.

ISSUE

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DA-A	ISSUED FOR DEVELOPMENT APPLICATION	08/02/2017	YT	AHM
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PROJECT STATUS :

### **Development Application**

### MIXED USE DEVELOPMENT

13 - 19 Mary Street Auburn NSW 2144

L.G.A : Cumberland Council



SHEET TITLE: Section D

8400

DESIGNED: DRAWN: COMMENCED:

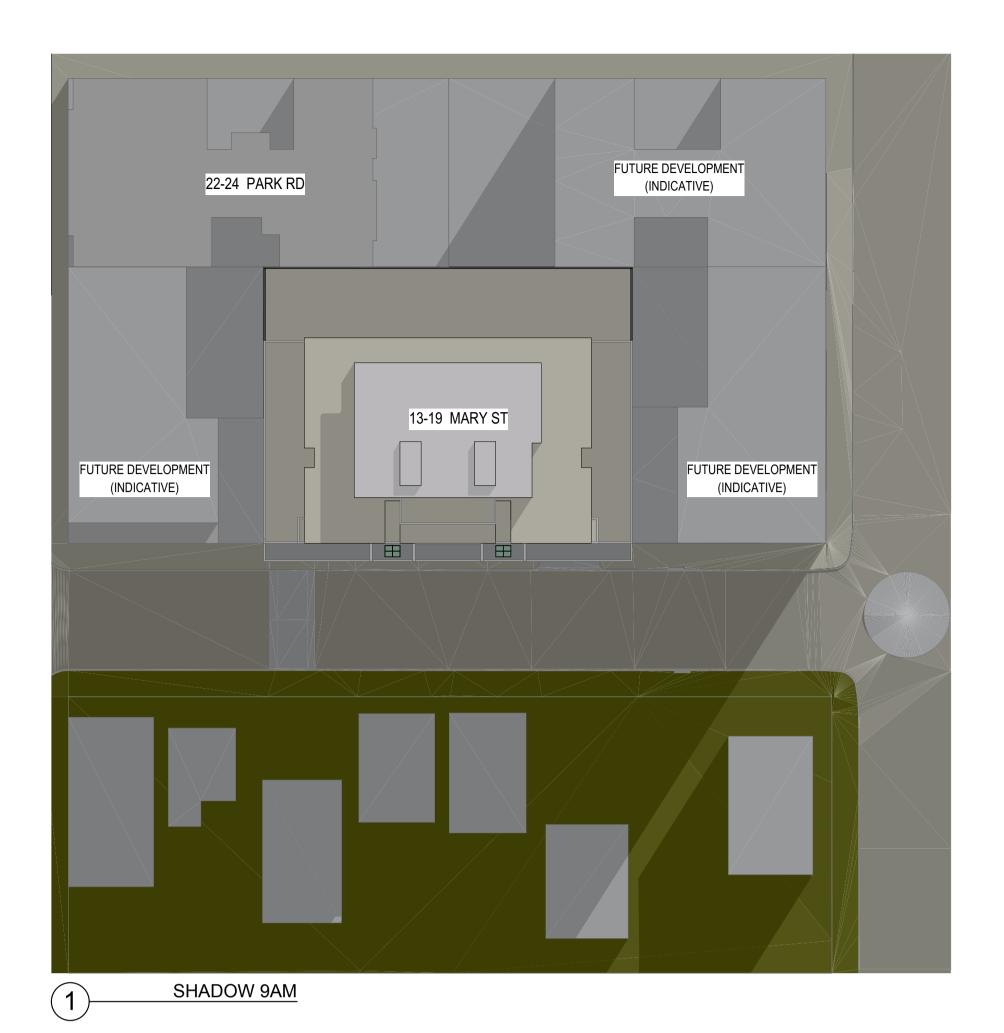
26

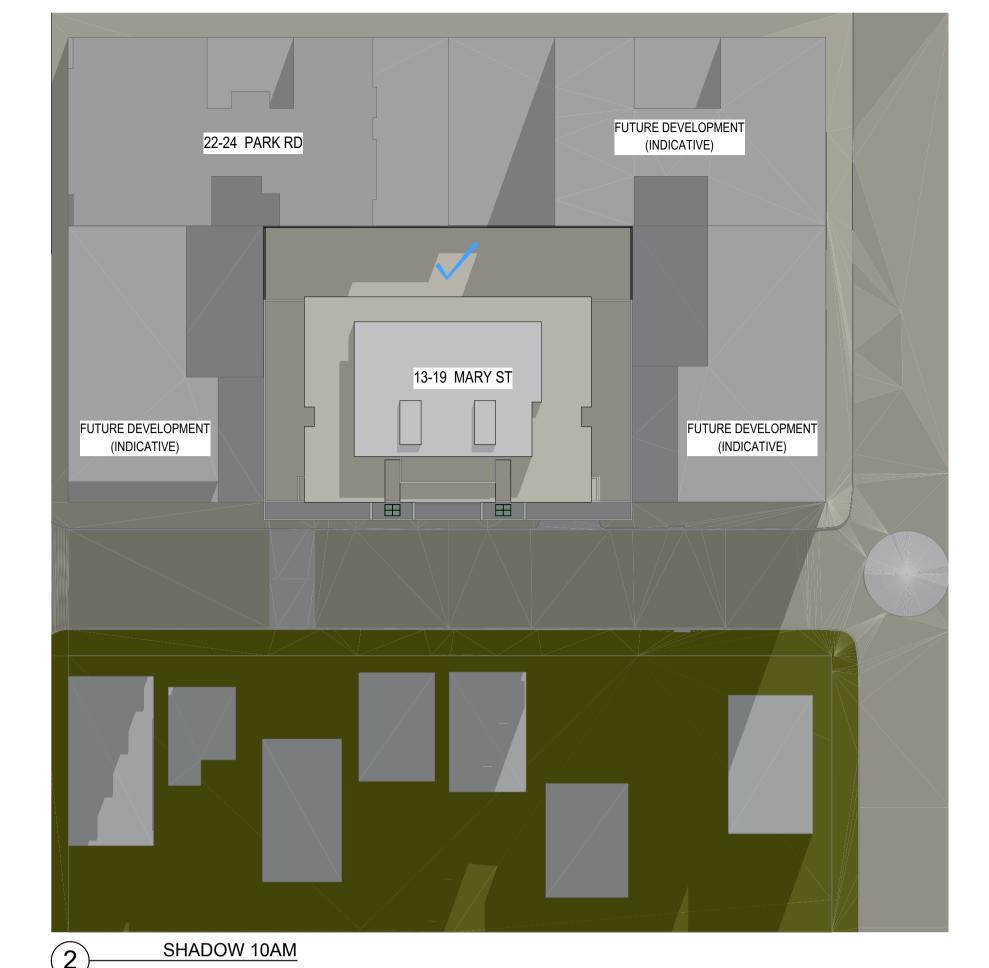
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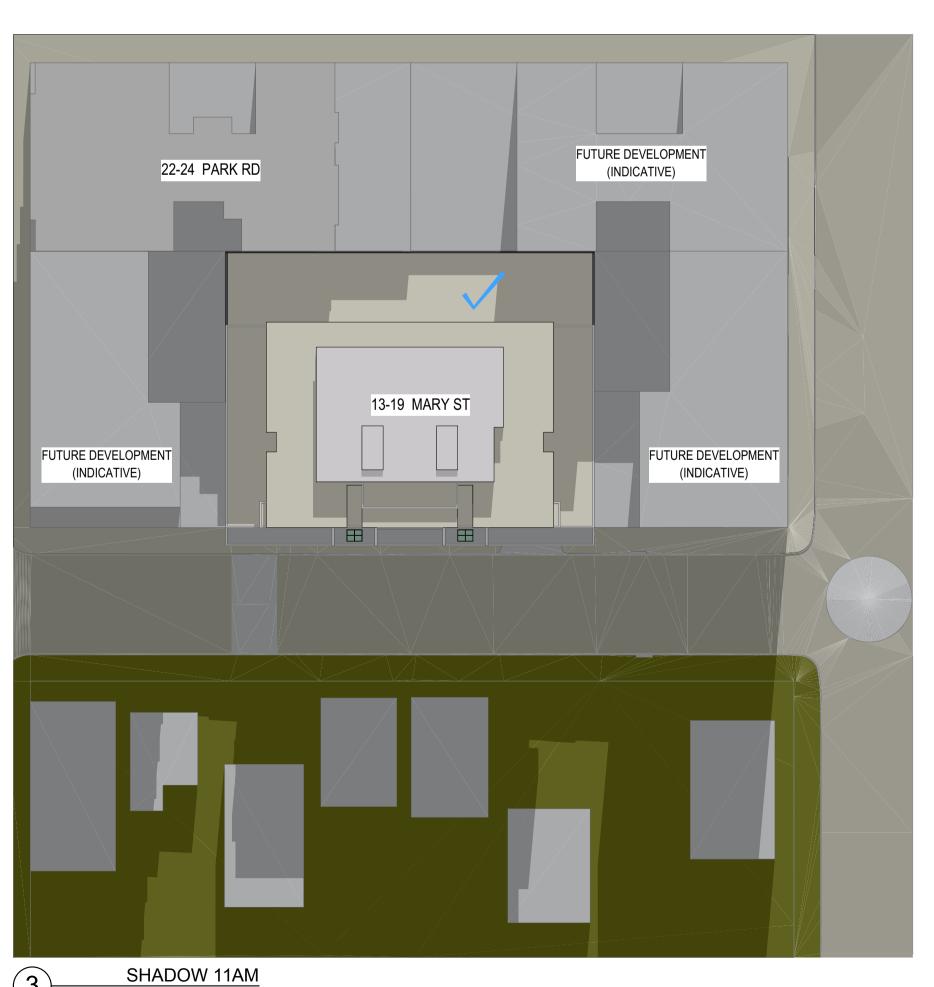
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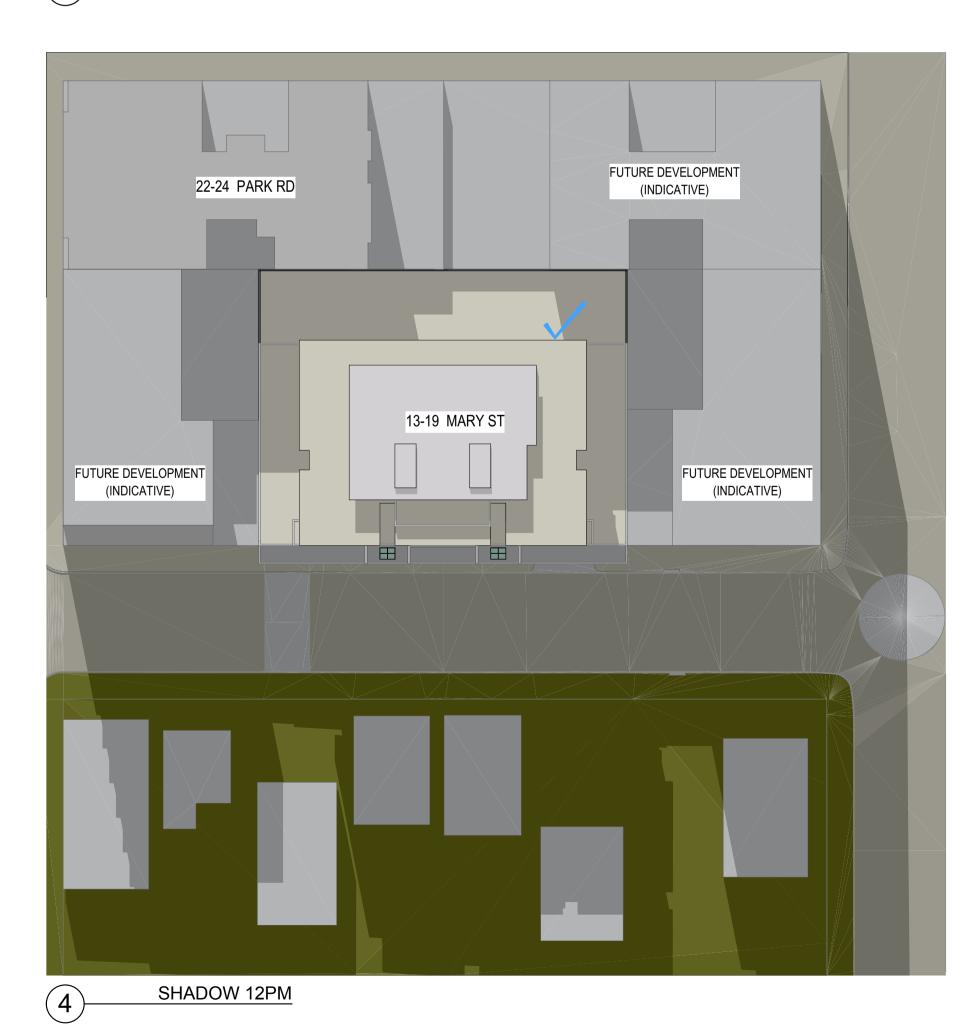
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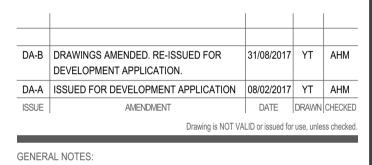








SOLAR ACCESS TO COMMON OPEN SPACE



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### **Development Application**

### MIXED USE DEVELOPMENT

13 - 19 Mary Street Auburn NSW 2144

L.G.A: Cumberland Council





8400

Shadow Diagram 01 (Winter Solstice)

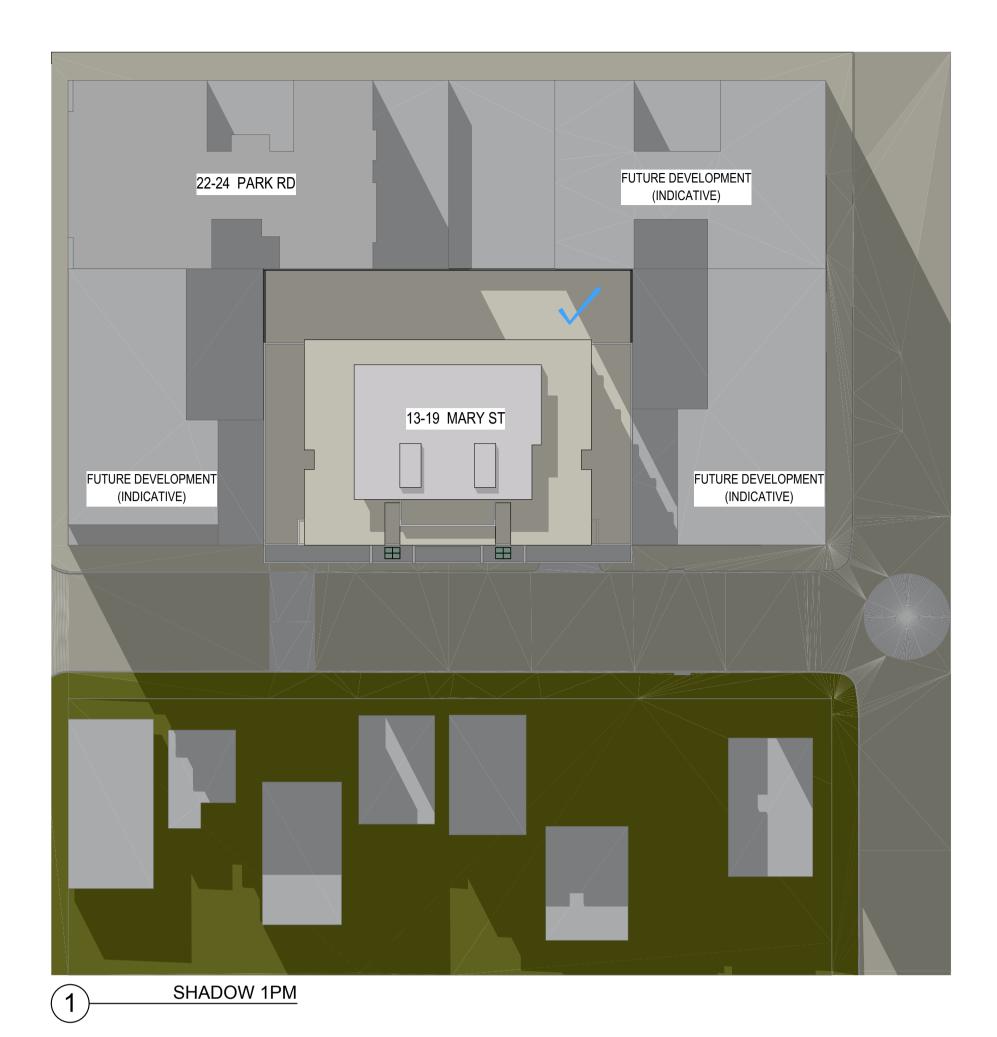
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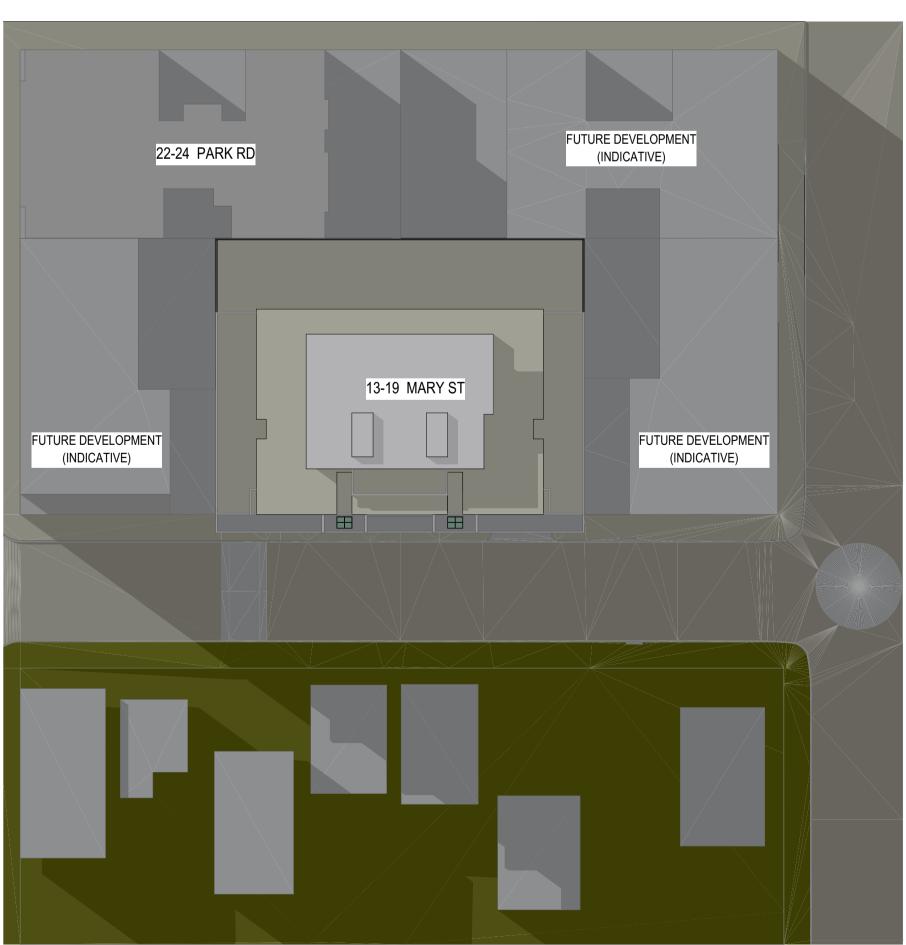
31/08/2017

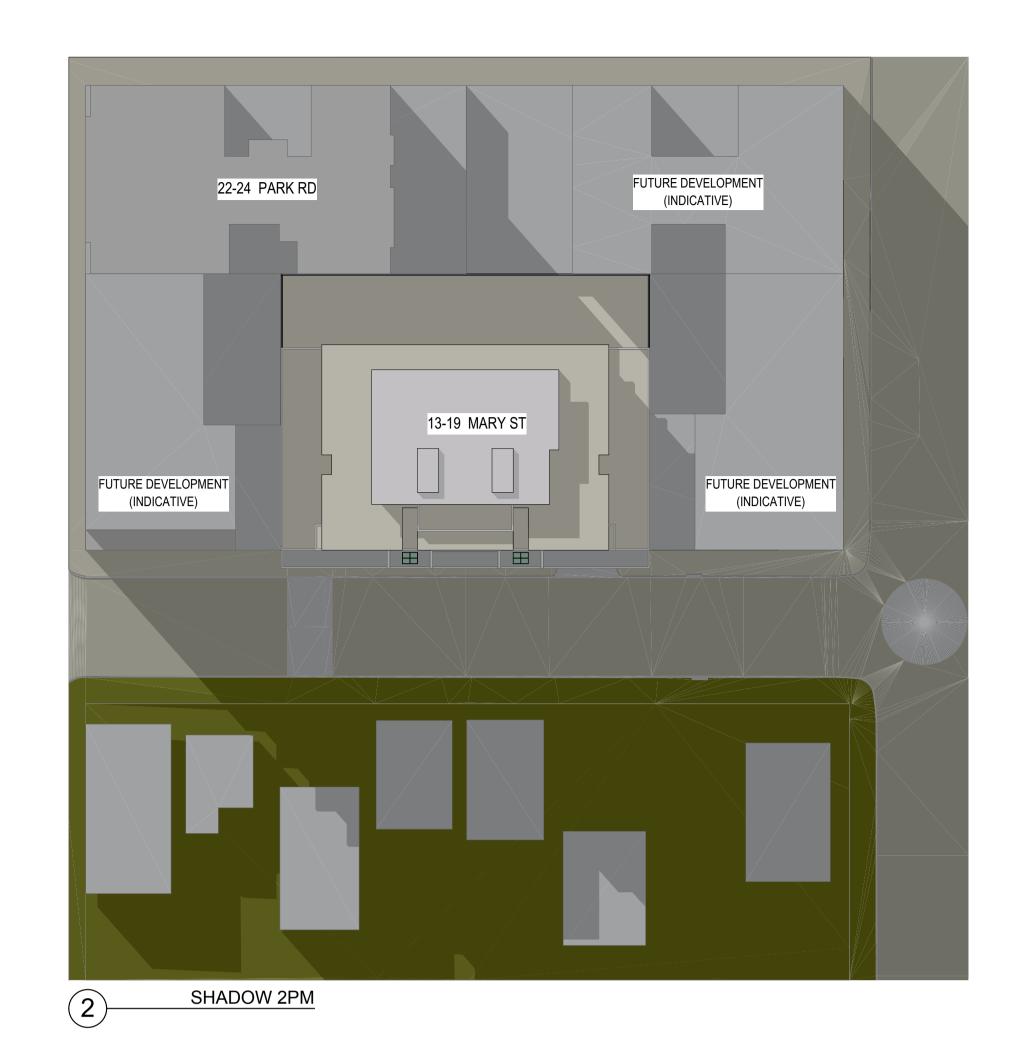
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27 DRAWING No.

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MIXED USE DEVELOPMENT 13 - 19 Mary Street

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DA-A ISSUED FOR DEVELOPMENT APPLICATION 08/02/2017 YT AHM

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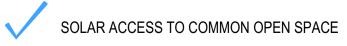
Shadow Diagram 02 (Winter Solstice)

31/08/2017

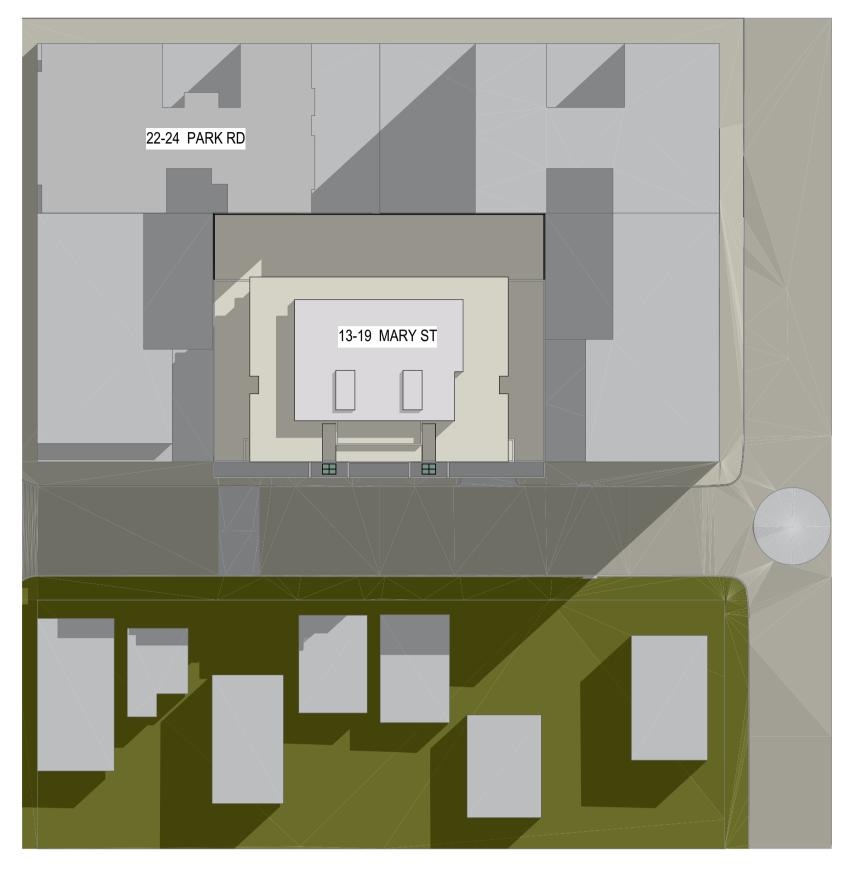
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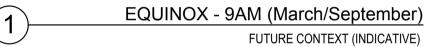
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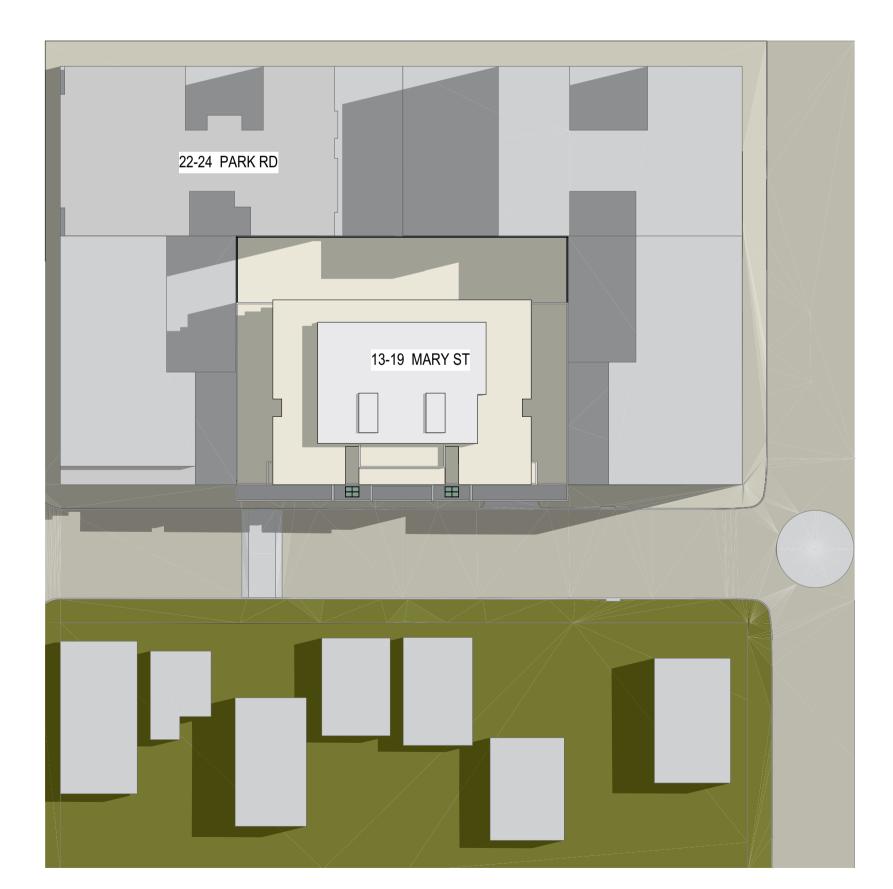
28 DRAWING No. Printed: Thursday, 31 August 2017 2:53 PM



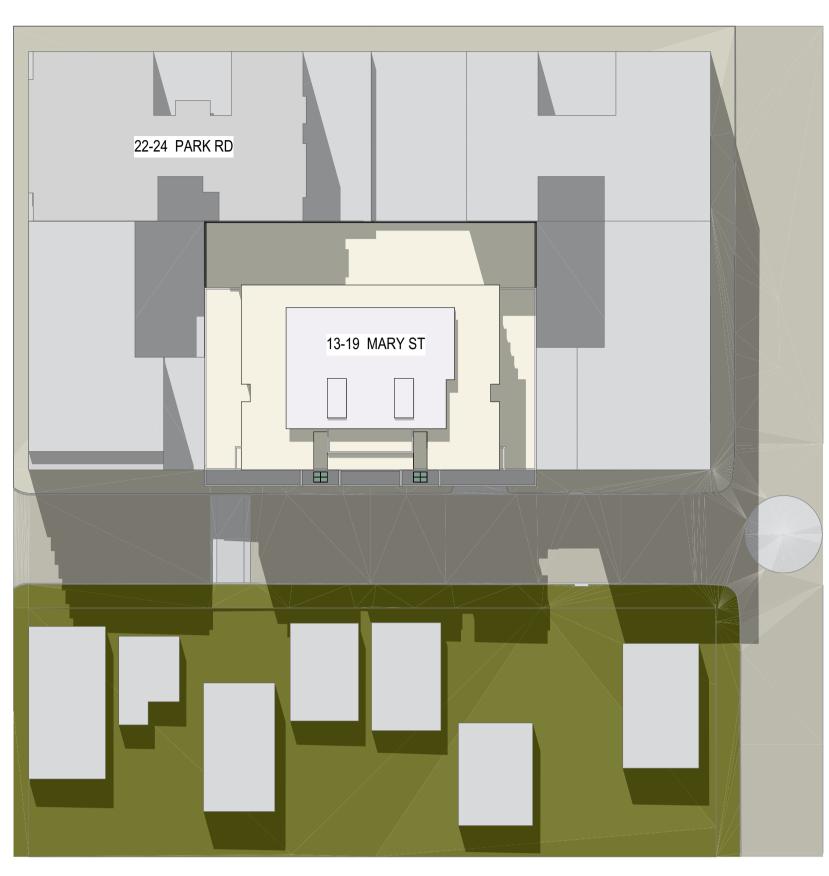




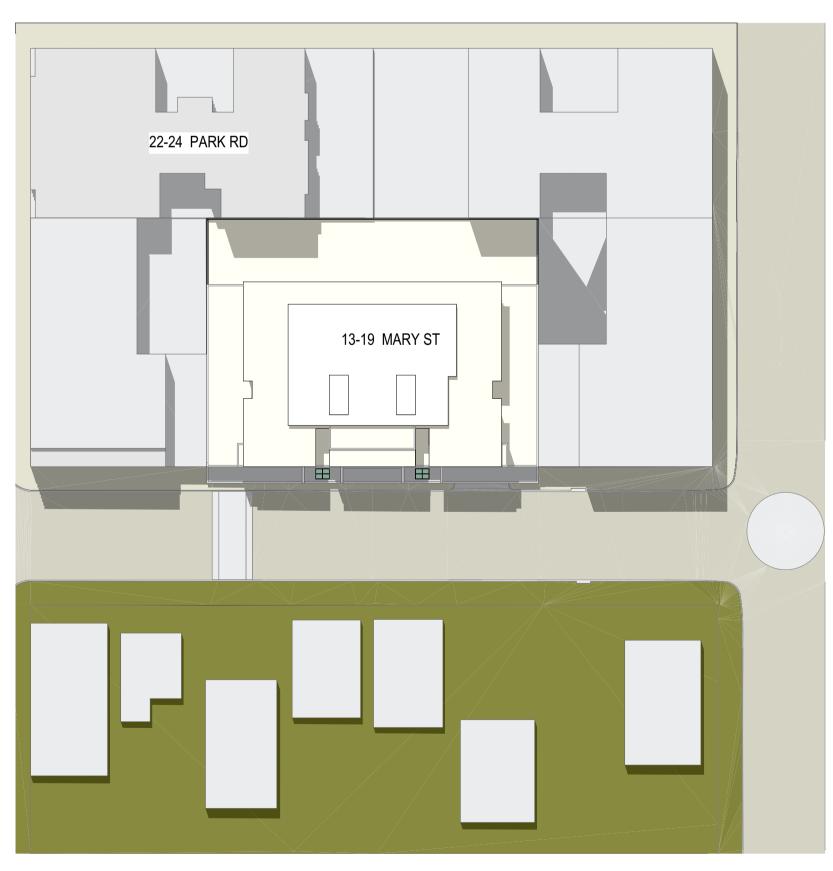




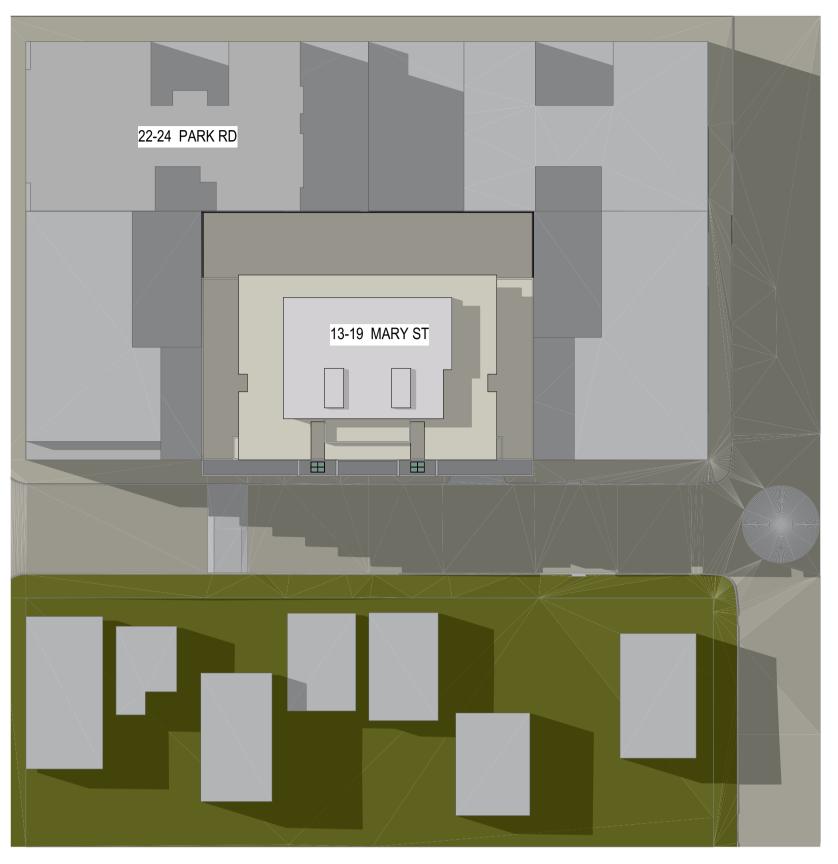
SUMMER SOLSTICE - 9AM FUTURE CONTEXT (INDICATIVE)



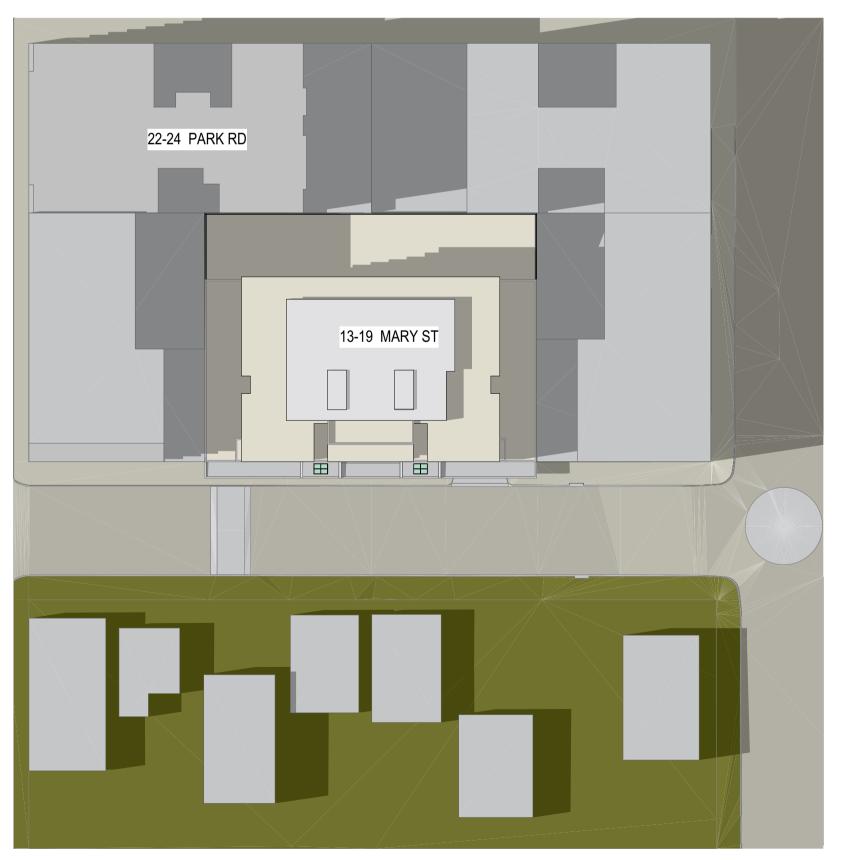
EQUINOX - 12PM (March/September) FUTURE CONTEXT (INDICATIVE)



SUMMER SOLSTICE - 12PM 5 FUTURE CONTEXT (INDICATIVE)



EQUINOX - 3PM (March/September) FUTURE CONTEXT (INDICATIVE)



SUMMER SOLSTICE - 3PM 6 FUTURE CONTEXT (INDICATIVE)

DA-B	DRAWINGS AMENDED. RE-ISSUED FOR	31/08/2017	YT	AHM
	DEVELOPMENT APPLICATION.			
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PROJECT STATUS :

### **Development Application**

### MIXED USE DEVELOPMENT

13 - 19 Mary Street Auburn NSW 2144

L.G.A: Cumberland Council





8400

Shadow Diagram ( Equinox & Summer Solstice )

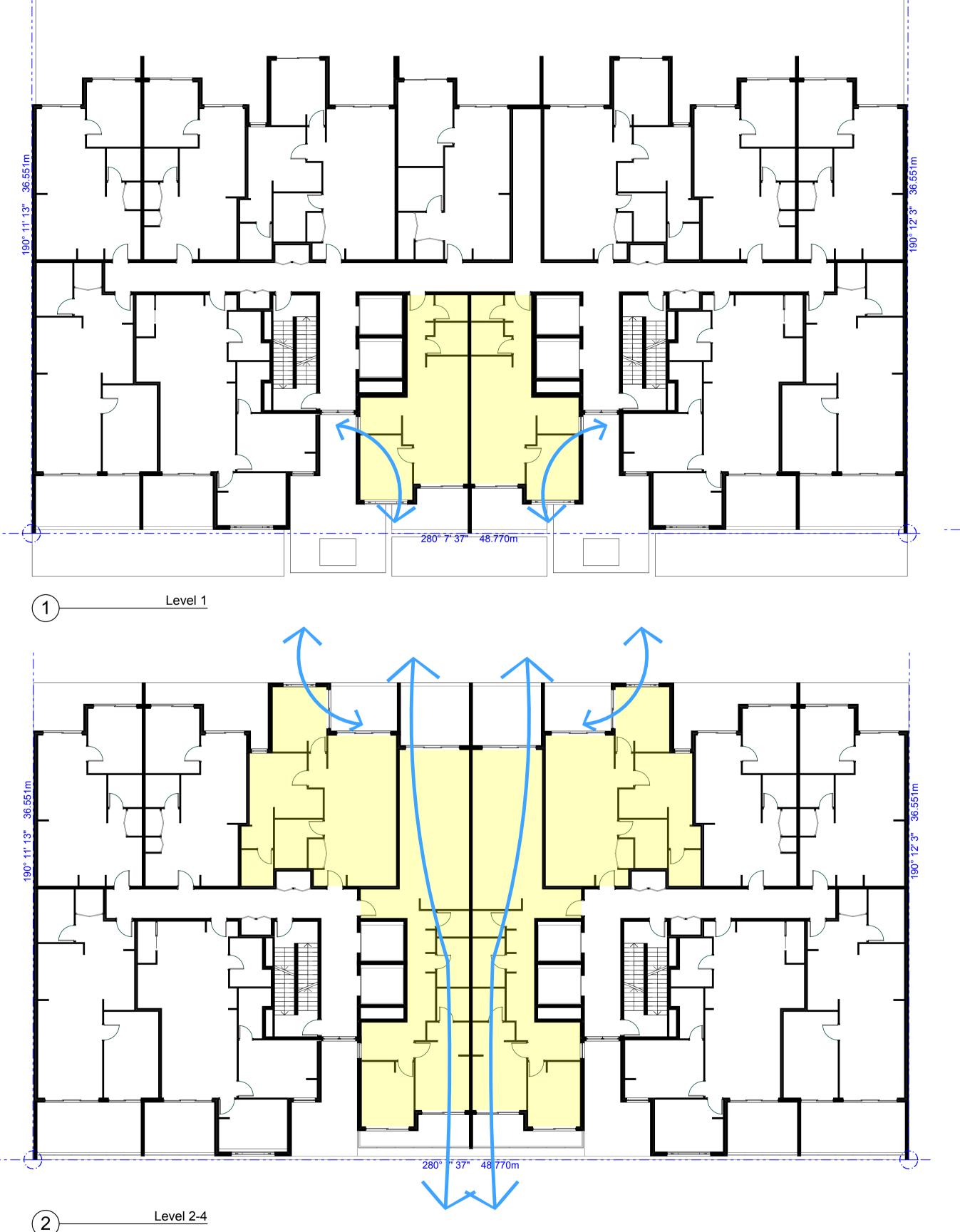
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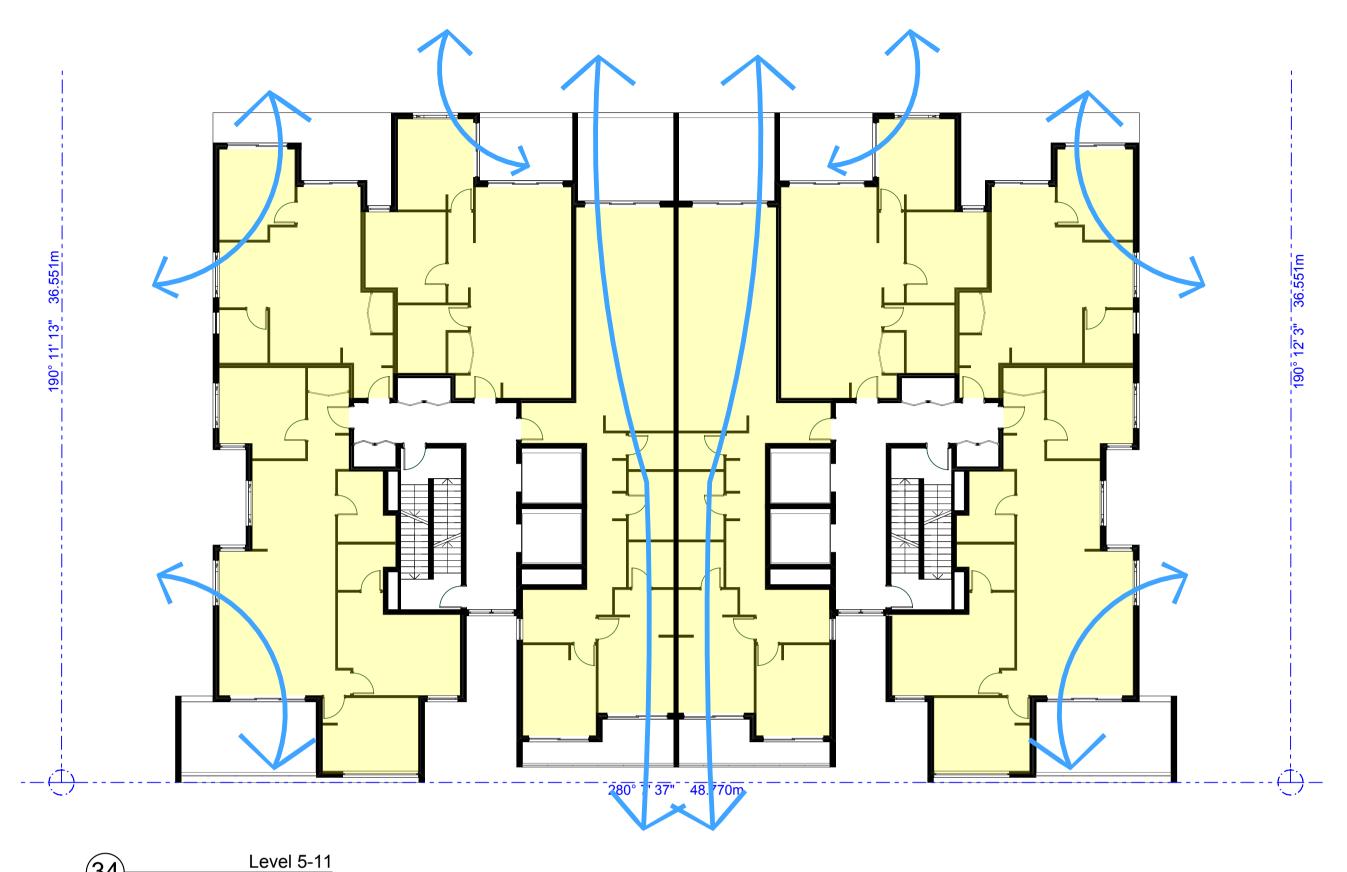
31/08/2017

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29 DRAWING No.

Printed: Thursday, 31 August 2017 2:53 PM





#### Solar & Cross Ventilation Compliance

				TOTAL HOURS	SOLAR
UNIT NUMBER & TYPE	UNIT TYPE	CROSS VENTILATION	SOLAR ACCESS	(2hrs MIN)	COMPLIANCE
Unit 1.01 – 4.01 (typical)	2BR	NO			NO
Unit 1.02 – 4.02 (typical)	1BR	NO			NO
Unit 1.03 – 4.03 (typical)	1BR	NO	9:00-12:00	3	YES
Unit 1.04 – 4.04 (typical)	1BR	NO	9:00-13:00	4	YES
Unit 1.05 – 4.05 (typical)	2BR	YES	9:30-12:30	3	YES
Unit 1.06	1BR	NO	9:00-13:30	4.5	YES
Unit 1.07	1BR	YES			NO
Unit 1.08	1BR	YES			NO
Unit 1.09 + Unit 2.08-4.08 (typical)	2BR	YES	9:30-12:30	3	YES
Unit 1.10 + Unit 2.09-4.09 (typical)	1BR	NO	9:00-13:00	4	YES
Unit 1.11 + Unit 2.10-4.10 (typical)	1BR	NO	10:00-13:00	3	YES
Unit 1.12 + Unit 2.11-4.11 (typical)	1BR	NO			NO
Unit 1.13 + Unit 2.12-4.12 (typical)	2BR	NO			NO
Unit 2.06 – 4.06 (typical) + Unit 5.04-11.04 (typical)	2BR	YES	9:30-12:30	3	YES
Unit 2.07 – 4.07 (typical) + Unit 5.05-11.05 (typical)	2BR	YES	9:30-12:30	3	YES
Unit 5.01	2BR	YES	11:00-15:00	4	YES
Unit 5.02 – 11.02 (typical)	1BR	YES	9:00-13:00	4	YES
Unit 5.03 – 11.03 (typical)	2BR	YES	9:30-12:30	3	YES
Unit 5.06 – 11.06 (typical )	2BR	YES	9:30-12:30	3	YES
Unit 5.07 – 11.07 (typical )	1BR	YES	9:00-13:00	4	YES
Unit 5.08	2BR	YES	9:00-11:00	2	YES
Unit 6.01 – 11.01 (typical)	3BR	YES	11:00-15:00	4	YES
Unit 6.08 – 11.08 (typical)	3BR	YES	9:00-11:00	2	YES

Objective 4A-1 To optimise the number of apartments receiving sunlight to nabitable rooms, primary windows and private open space Design criteria

Living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 2 hours direct sunlight between 9 am and 3 pm at mid winter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas

SOLAR ACCESS 80 OF 105 UNITS = 76.09% Objective 4B-3 he number of apartments with natural cross ventilation is

72 / 105 UNITS

68.57%

(min. 60%)

Design criteria At least 60% of apartments are naturally cross ventilated in the first nine storeys of the building. Apartments at ten storeys or greater are deemed to be cross ventilated only if any enclosure of the balconies at these levels allows adequate natural ventilation and cannot be fully enclosed

NATURAL CROSS VENTILATION 72 OF 105 UNITS = 68.57%

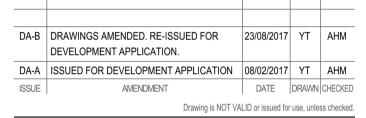
A maximum of 15% of apartments in a building receive no direct sunlight between 9 am and 3 pm at

SOUTH FACING UNIT ( UNIT 1.09-11.09) 18 OF 105 UNITS = 17.14%

87 / 105 UNITS

82.85%

(min. 70%)



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### MIXED USE DEVELOPMENT

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### Solar & Cross Ventilation Diagrams

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1:100@A1 A3 SHEET 1:200@A3 OR AS NOTED

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