

# DEVELOPMENT APPLICATION

## 10 Bouvardia St Asquith NSW 2077



| UNIT BREAKDOWN |                |             |           |                 |               | Eco Certificates Pty Ltd<br>info@ecocertificates.com.au<br>02 95 24 36<br>PO Box 5175, North Ryde NSW 2057 |  |          |             |           |                 | Building Components Performance and Specifications Schedule<br>NATHERS Thermal Comfort Modeling |  |  |  |  |  |
|----------------|----------------|-------------|-----------|-----------------|---------------|--|--|----------|-------------|-----------|-----------------|---|--|--|--|--|--|
|                | UNIT No.       | BEDROOMS    | AREA (m2) | UNIT STORE (m3) | POS (AREA m2) |  |  | UNIT No. | BEDROOMS    | AREA (m2) | UNIT STORE (m3) | POS (AREA m2)   |  |  |  |  |  |
| GROUND FLOOR   |                |             |           |                 |               | THIRD FLOOR  |  |          |             |           |                 | FOURTH FLOOR  |  |  |  |  |  |
|                | G01 (ADP/SLVR) | 2 BED       | 80.34     | 4.00            | 19.55         |  |  | 301      | 2 BED       | 80.34     | 4.00            | 15.71   |  |  |  |  |  |
|                | G02            | 2 BED       | 90.50     | 7.00            | 17.42         |  |  | 302      | 2 BED       | 90.50     | 7.00            | 12.41   |  |  |  |  |  |
|                | G03            | 2 BED + STD | 97.21     | 7.54            | 19.06         |  |  | 303      | 2 BED + STD | 97.21     | 7.16            | 16.43   |  |  |  |  |  |
| FIRST FLOOR    |                |             |           |                 |               | SECOND FLOOR   |  |          |             |           |                 | FIFTH FLOOR   |  |  |  |  |  |
|                | 101 (ADP/SLVR) | 2 BED       | 80.34     | 4.00            | 15.71         |  |  | 401      | 2 BED       | 75.59     | 4.18            | 27.84   |  |  |  |  |  |
|                | 102            | 2 BED       | 90.50     | 7.00            | 12.41         |  |  | 402      | 2 BED       | 82.44     | 4.70            | 12.43   |  |  |  |  |  |
|                | 103            | 2 BED + STD | 97.21     | 7.16            | 16.43         |  |  | 403      | 1 BED + STD | 68.54     | 3.01            | 16.44   |  |  |  |  |  |
|                | 201 (SLVR)     | 2 BED       | 80.34     | 4.00            | 15.71         |  |  |          |             |           |                 |   |  |  |  |  |  |
|                | 202            | 2 BED       | 90.50     | 7.00            | 12.41         |  |  |          |             |           |                 |   |  |  |  |  |  |
|                | 203            | 2 BED + STD | 97.21     | 7.16            | 16.43         |  |  |          |             |           |                 |   |  |  |  |  |  |

These are the specifications upon which the certified NATHERS assessment is based. Any deviation from these specifications will invalidate the NATHERS certificate and therefore, in compliance with the development with the National Construction Code of Australia 2019 and 2018. In case of any variation from these specifications contact Eco Certificates Pty Ltd to obtain updated NATHERS and SHGC certificates and an updated copy of these specifications.

Assessment Date: 14 / 12 / 2022  
Assessor: Manual Based - Data Accredited Assessor DMN121462 / M&Aust  
Thermal Modelling Software: HERS 3.1.1  
Development: EC - 4574 - 10 Bouvardia Street, Asquith NSW

| Windows and Skylights                                       |                                     |         |      |
|---|-------------------------------------|---------|------|
| Description   | Type                                | U Value | SHGC |
| 1 All awning windows of units 301, 401, 403                 | Aluminium Frame Double Glazed Clear | 4.3     | 0.47 |
| 2 All other windows and glazed doors of units 301, 401, 403 | Aluminium Frame Double Glazed Clear | 4.3     | 0.53 |
| 3 All windows and glazed doors of units 301, 401, 403       | Aluminium Frame Double Glazed Clear | 4.9     | 0.53 |
| 4 All awning windows of units 303, 402                      | Aluminium Frame Single Glazed Clear | 5.4     | 0.49 |
| 5 All other windows and glazed doors of units 303, 402      | Aluminium Frame Single Glazed Clear | 5.4     | 0.49 |
| 6 All awning windows of all other units                     | Aluminium Frame Single Glazed Clear | 6.7     | 0.52 |
| 7 All other windows and glazed doors of all other units     | Aluminium Frame Single Glazed Clear | 6.7     | 0.7  |

Window and skylight U and SHGC values, if specified, are according to NFRC. Alternate products or specifications may be used if they U value is lower, and the SHGC value is lower than 10% higher or lower, than the U and SHGC value of the product specified above. Note that the NATHERS Thermal Model 2019 allows only a 5% tolerance for the SHGC value however this is overridden by BASIX Thermal Comfort Protocol to be 10%.

| External and Internal Walls            |                            |            |                            |
|--|----------------------------|------------|----------------------------|
| Description                            | Construction Type          | Insulation | Colour (Solar Absorptance) |
| 1 All external walls of all units      | Face Brick, Aspen Cladding | R 2.5      | As per plans               |
| 2 All internal walls of all units      | Plasterboard on studs      | None       | N/A                        |
| 3 All concrete area walls of all units | Walls                      | R 1.0      | N/A                        |
| 4 All unit walls of all units          | Walls                      | None       | N/A                        |

\*The solar absorptance values are as per definition of Light, Medium and Dark Colours in the thermal modelling software and the naming might differ according to the BASIX Thermal Comfort protocol 2017.

| Floors   |                   |            |                |
|--|-------------------|------------|----------------|
| Description                                      | Construction Type | Insulation | Floor Covering |
| 1 All floors of all units above basement carpark | Concrete          | R 2.5      | As per plans   |
| 2 All floors of all other units                  | Concrete          | None       | As per plans   |

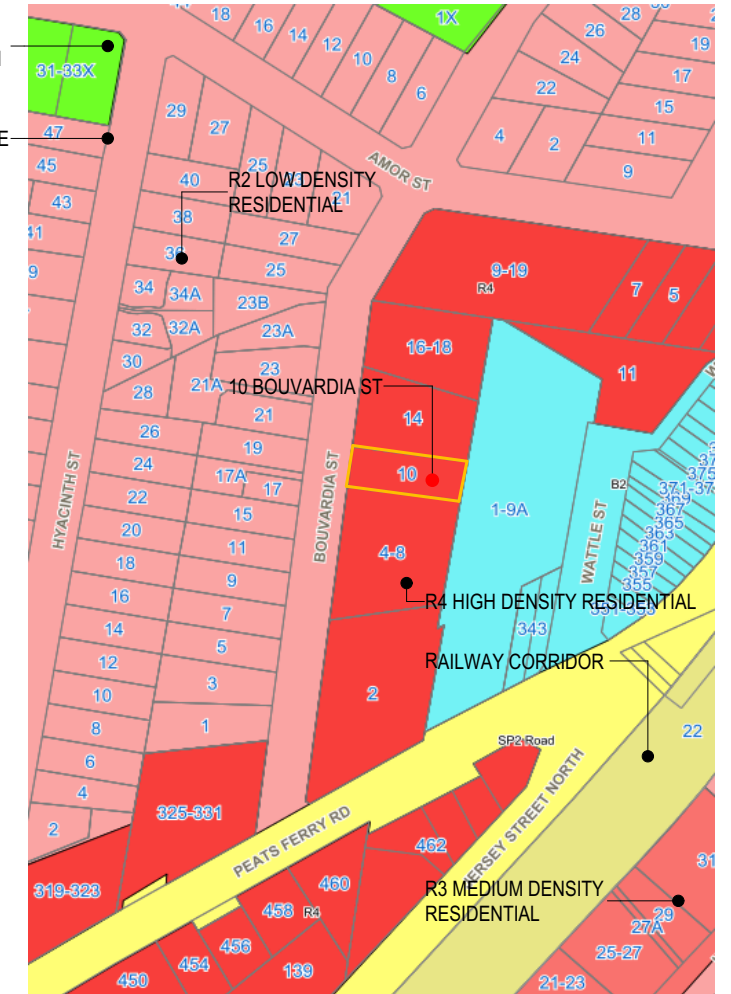
| Ceilings and Roofs                     |                    |            |                            |
|--|--------------------|------------|----------------------------|
| Description                            | Construction Type  | Insulation | Colour (Solar Absorptance) |
| 1 All ceilings under roof of all units | Plasterboard       | R 3.5      | N/A                        |
| 2 All roofs                            | Flat Roof Cladding | None       | Medium (0.55-0.60)         |

Ceiling penetrations, as a result of installation of raised access coverings and other penetrating elements are being considered in the NATHERS thermal comfort modelling, associated with this specifications schedule. If raised access coverings or other installed penetrations are introduced to the ceiling insulation of the project at a later stage, the NATHERS certificate associated with this specification and the BASIX certificate of this development, may, without become invalid and must be updated.

### DRAWING SCHEDULE

| DRAWING NAME                   |                             | ISSUE | SCALE |
|--------------------------------|-----------------------------|-------|-------|
| A0000 GENERAL INFORMATION      |                             |       |       |
| A0001                          | COVERPAGE                   | F     |       |
| A0002                          | SITE ANALYSIS               | B     |       |
| A0002.1                        | SITE ANALYSIS 2             | A     |       |
| A0003                          | SITE PLAN                   | F     | 1:200 |
| A0004                          | DEMOLITION PLAN             | A     | 1:200 |
| A1000 GENERAL ARRANGEMENT PLAN |                             |       |       |
| A1001                          | BASEMENT PLAN               | E     | 1:200 |
| A1002                          | GROUND FLOOR PLAN           | F     | 1:200 |
| A1003                          | FIRST FLOOR PLAN            | E     | 1:200 |
| A1004                          | SECOND FLOOR PLAN           | E     | 1:200 |
| A1005                          | THIRD FLOOR PLAN            | E     | 1:200 |
| A1006                          | FOURTH FLOOR PLAN           | E     | 1:200 |
| A1007                          | ROOF PLAN                   | E     | 1:200 |
| A2000 ELEVATIONS               |                             |       |       |
| A2001                          | NORTH ELEVATION             | F     | 1:200 |
| A2002                          | EAST ELEVATION              | E     | 1:200 |
| A2003                          | SOUTH ELEVATION             | F     | 1:200 |
| A2004                          | WEST ELEVATION              | F     | 1:200 |
| A2005                          | STREETSCAPE ELEVATION       | F     | 1:200 |
| A2100 SECTIONS                 |                             |       |       |
| A2101                          | SECTION A                   | F     | 1:200 |
| A2102                          | SECTION B                   | D     | 1:200 |
| A3000 ADDITIONAL INFO          |                             |       |       |
| A3001                          | GFA CALCULATIONS            | F     | 1:200 |
| A3002                          | LANDSCAPE CALCULATIONS      | F     | 1:200 |
| A3003                          | COMMUNAL OPEN SPACE         | F     | 1:200 |
| A3004                          | DEEP SOIL CALCULATIONS      | F     | 1:200 |
| A3005                          | BUILDING HEIGHT PLANE       | F     |       |
| A3006                          | CROSS-VENT CALCULATIONS     | F     |       |
| A3007                          | PRE - POST ADAPTABLE        | B     | 1:100 |
| A3008                          | SAMPLE BOARD                | F     |       |
| A4000 SOLAR ACCESS             |                             |       |       |
| A4001                          | SOLAR ACCESS 9AM-11AM       | F     |       |
| A4002                          | SOLAR ACCESS 12PM-2PM       | F     |       |
| A4003                          | SOLAR ACCESS 3PM & ANALYSIS | F     |       |
| A4100 SHADOW DIAGRAMS          |                             |       |       |
| A4101                          | SHADOW DIAGRAMS 9AM-11AM    | F     |       |
| A4102                          | SHADOW DIAGRAMS 12PM-1PM    | F     |       |
| A4103                          | SHADOW DIAGRAMS 2PM-3PM     | F     |       |





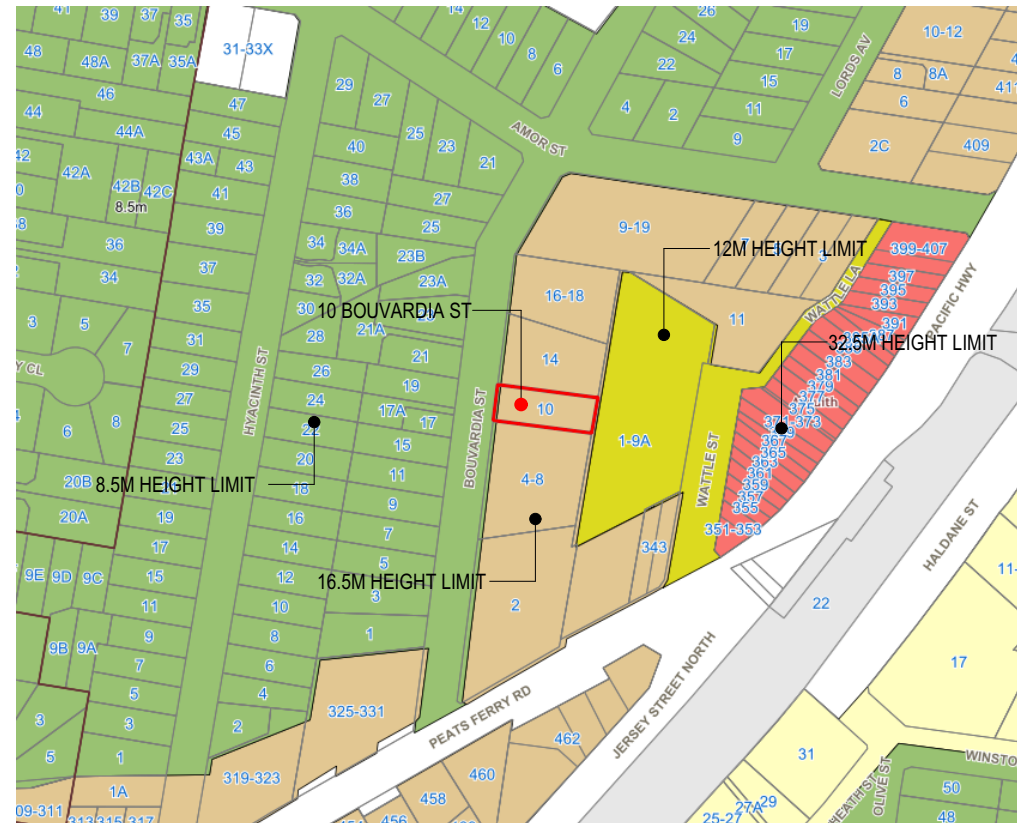
HORNSBY LEP 2013 ZONING MAP TILE 017



IMAGE 1: BOUVARDIA ST PERSPECTIVE LOOKING UP TOWARDS THE SITE



IMAGE 2: BOUVARDIA ST PERSPECTIVE LOOKING DOWN TOWARDS THE SITE



HORNSBY LEP 2013 HEIGHT MAP TILE 017



IMAGE 3: BOUVARDIA ST PERSPECTIVE LOOKING DIRECTLY TOWARDS THE SITE



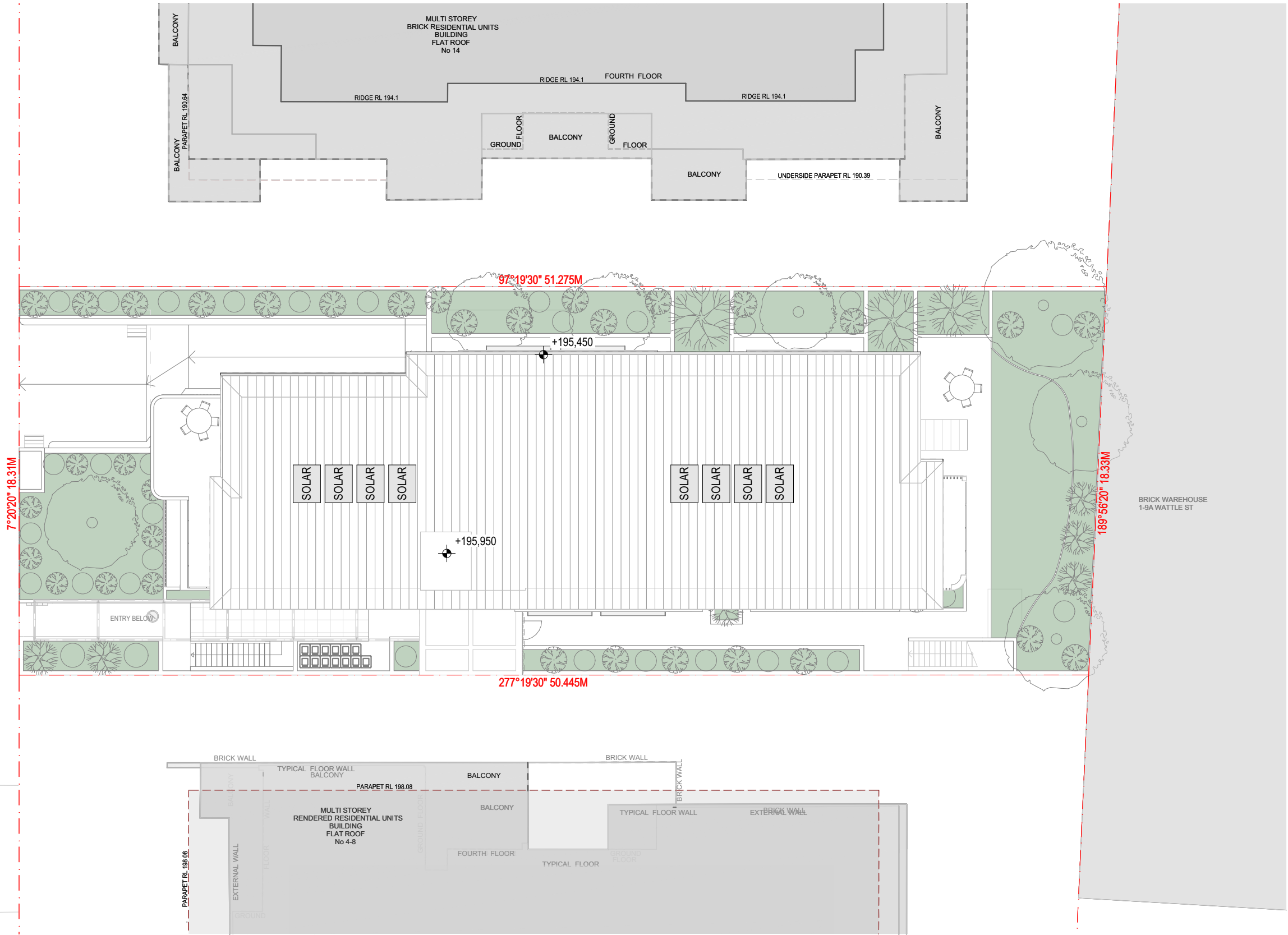
IMAGE 4: WATTLE ST PERSPECTIVE LOOKING TOWARDS THE REAR OF THE SITE







BOUVARDIA ST



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| AMENDMENTS |                  |     |            |
|------------|------------------|-----|------------|
| REV.       | DESCRIPTION      | BY  | DATE       |
| D          | COUNCIL COMMENTS | J.E | 09.08.2023 |
| E          | COUNCIL COMMENTS | J.E | 28.08.2023 |
| F          | COUNCIL COMMENTS | J.E | 30.08.2023 |



**MULTI RESIDENTIAL DEVELOPMENT**  
PROJECT  
**10 Bouvardia St Asquith NSW 2077**  
PROJECT NO.  
**22/14**

DRAWING:  
**SITE PLAN**

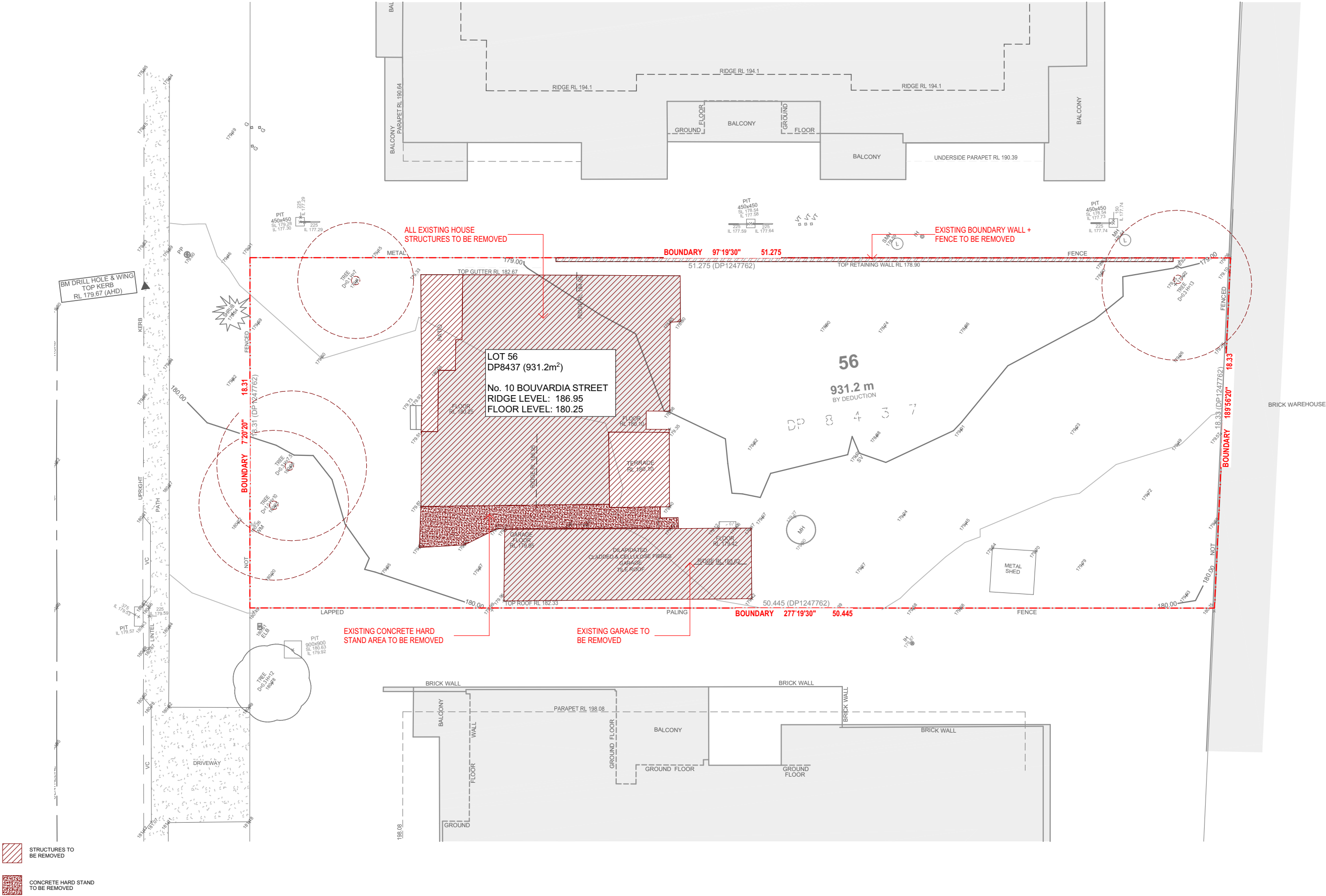
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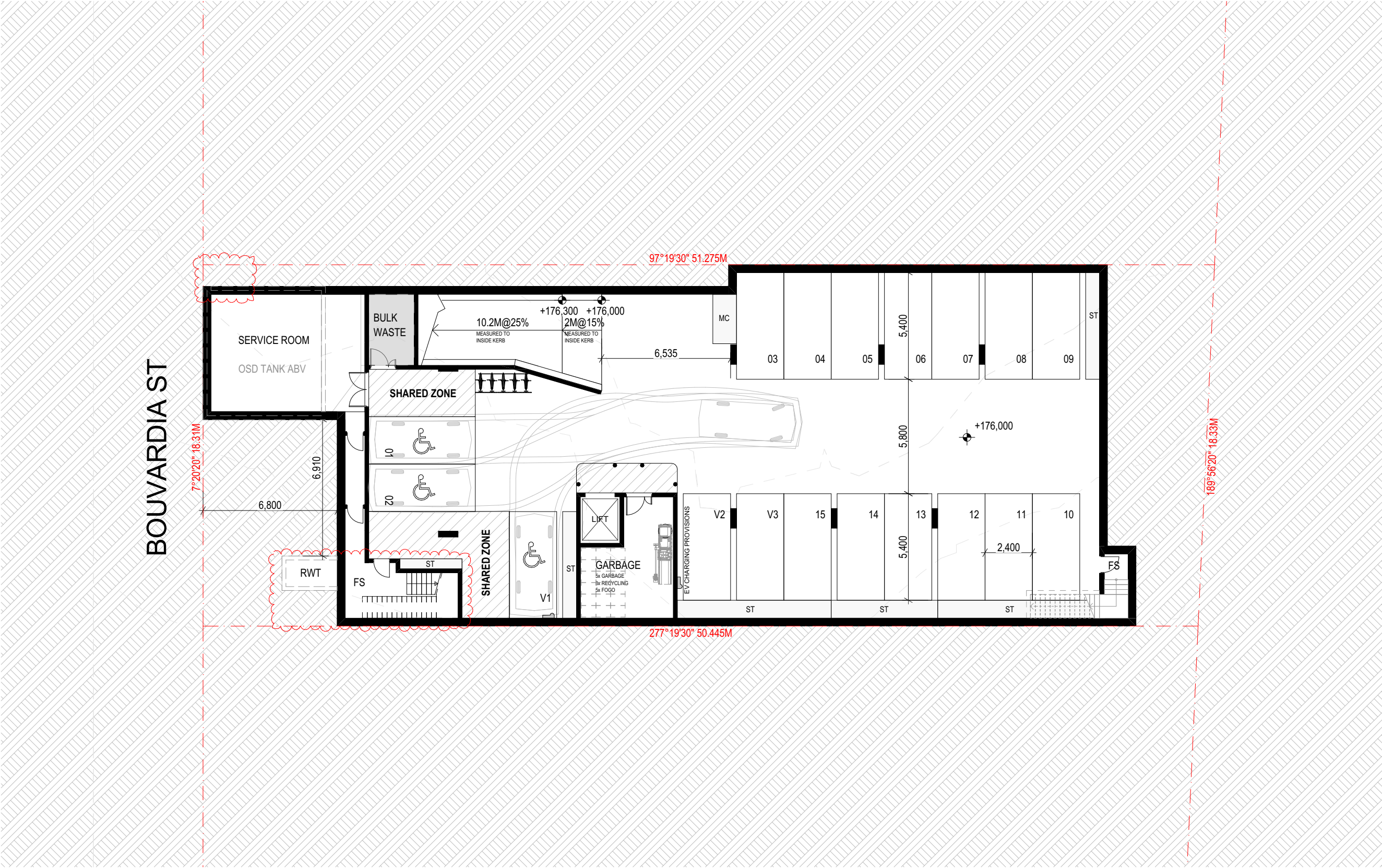
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**A0003**

ISSUE:  
**F**





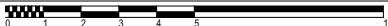




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| C    | COUNCIL COMMENTS | J.E | 09.08.2023 |
| D    | COUNCIL COMMENTS | J.E | 28.08.2023 |
| E    | COUNCIL COMMENTS | J.E | 30.08.2023 |

PROJECT NORTH



**MULTI RESIDENTIAL DEVELOPMENT**  
PROJECT  
**10 Bouvardia St Asquith NSW**  
**2077**  
PROJECT NO.  
**22/14**

DRAWING:

**BASEMENT PLAN**

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SCALE:

1:200@A3

DRAWING NO.:

**A1001**

ISSUE:

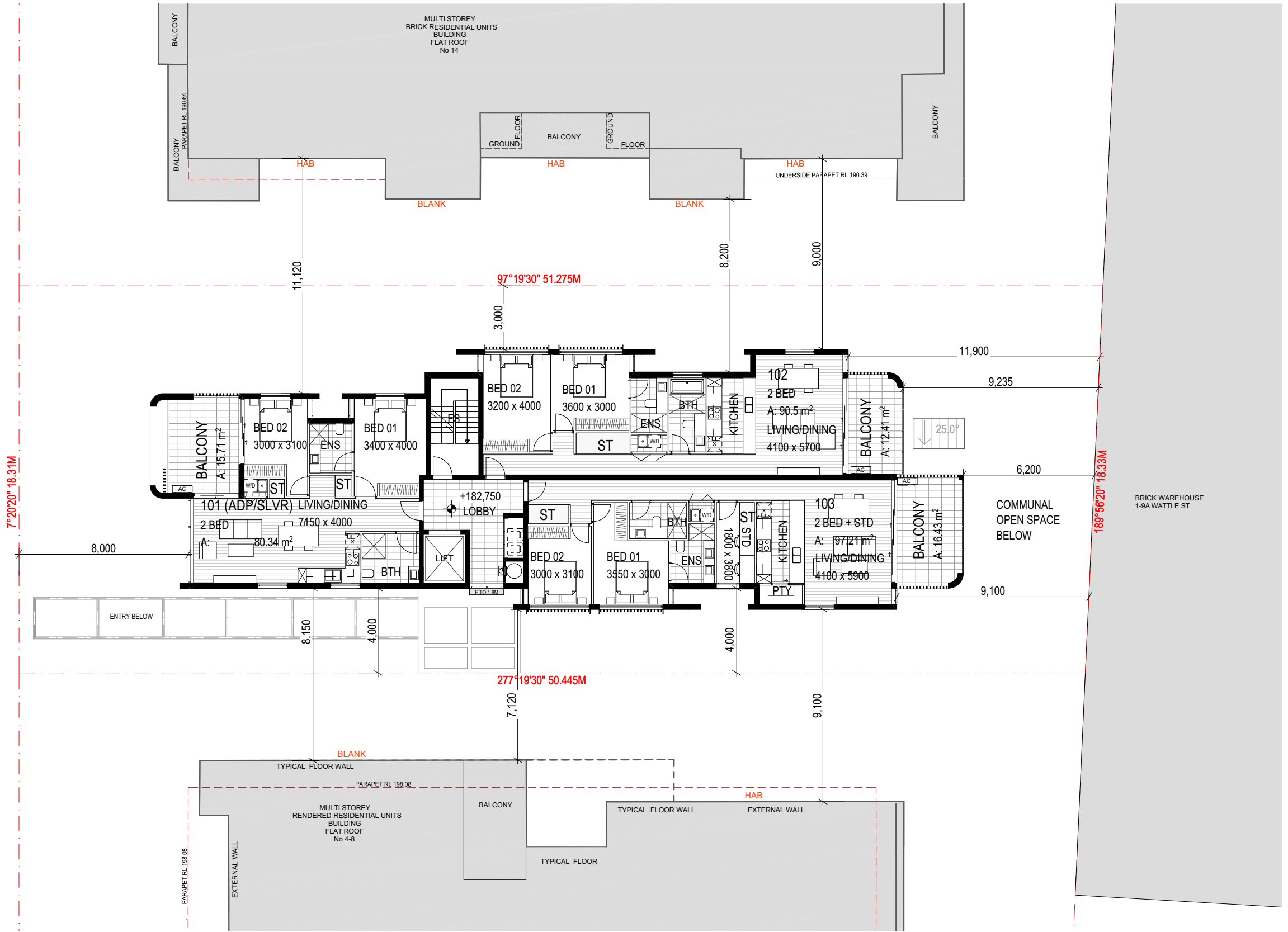
**E**







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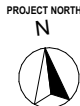


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| C    | COUNCIL COMMENTS | J.E | 19.06.2023 |
| D    | COUNCIL COMMENTS | J.E | 09.08.2023 |
| E    | COUNCIL COMMENTS | J.E | 28.08.2023 |



**MULTI RESIDENTIAL DEVELOPMENT**  
PROJECT  
**10 Bouvardia St Asquith NSW**  
**2077**  
PROJECT NO.  
**22/14**

DRAWING:

**FIRST FLOOR PLAN**

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1:200@A3

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**A1003**

ISSUE:

**E**



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| C    | COUNCIL COMMENTS | J.E | 19.06.2023 |
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| E    | COUNCIL COMMENTS | J.E | 28.08.2023 |

PROJECT NORTH



**MULTI RESIDENTIAL DEVELOPMENT**  
PROJECT  
10 Bouvardia St Asquith NSW  
2077  
PROJECT NO.  
22/14

DRAWING:

**SECOND FLOOR PLAN**

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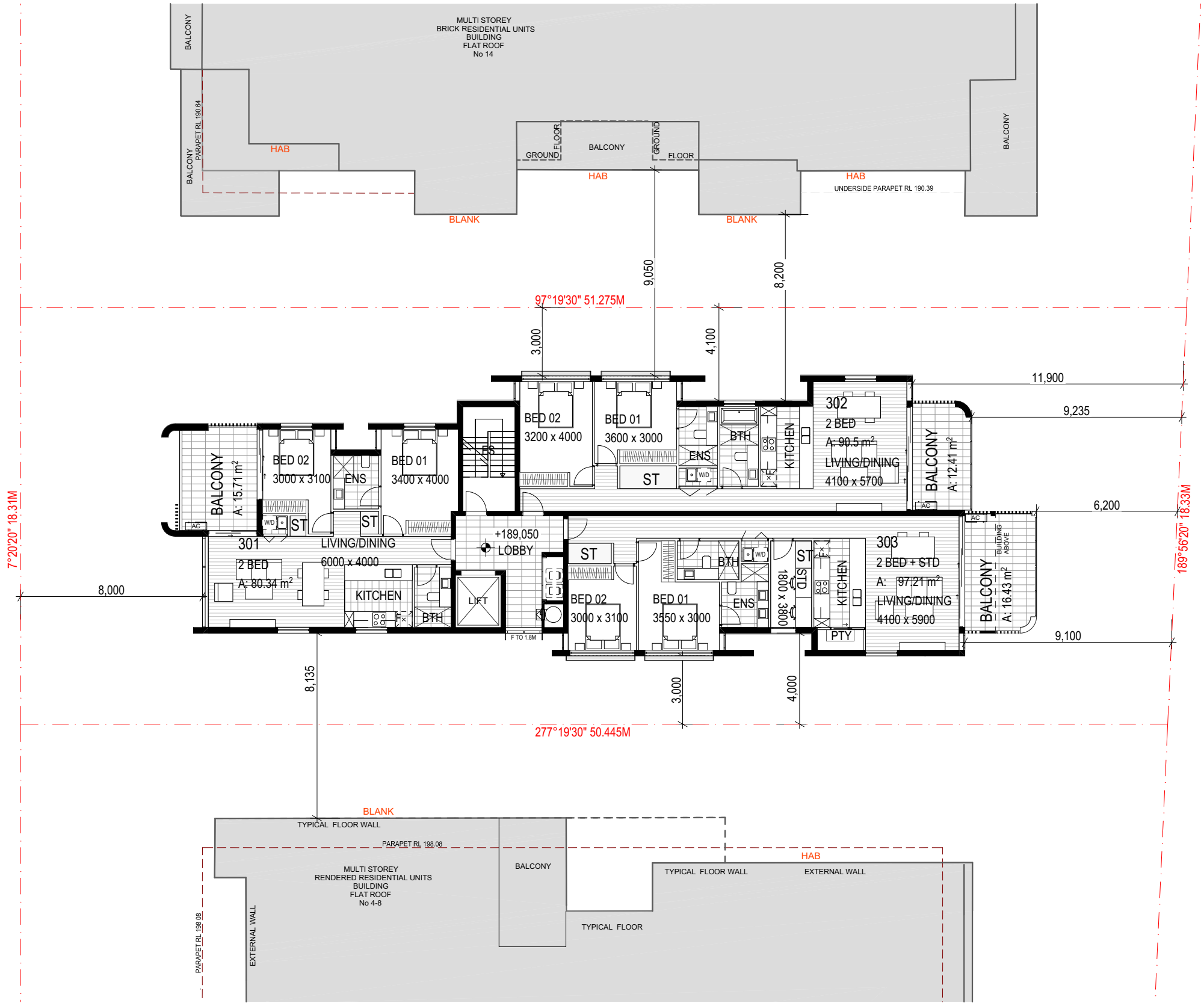
**A1004**

ISSUE:

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BOUVARDIA ST



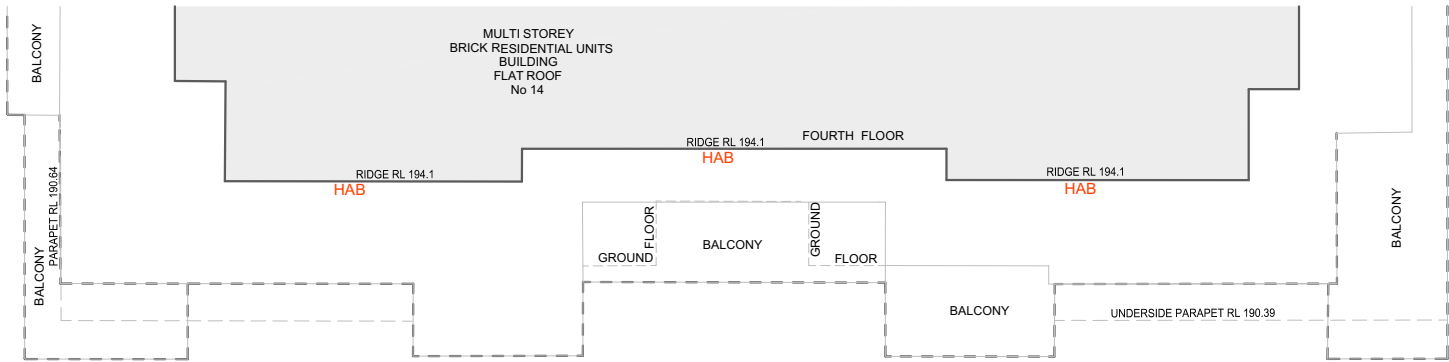




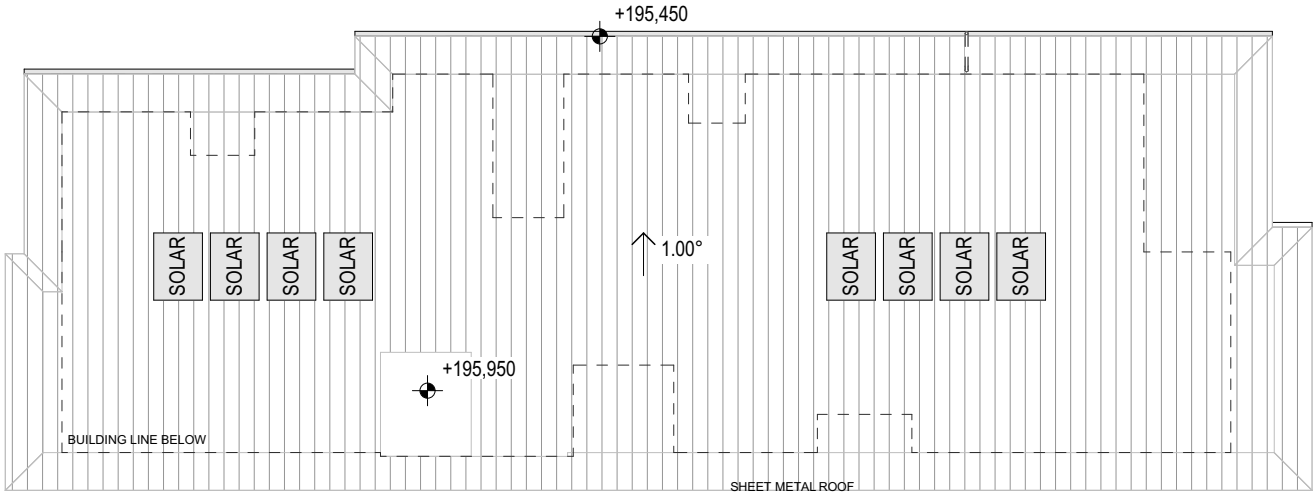


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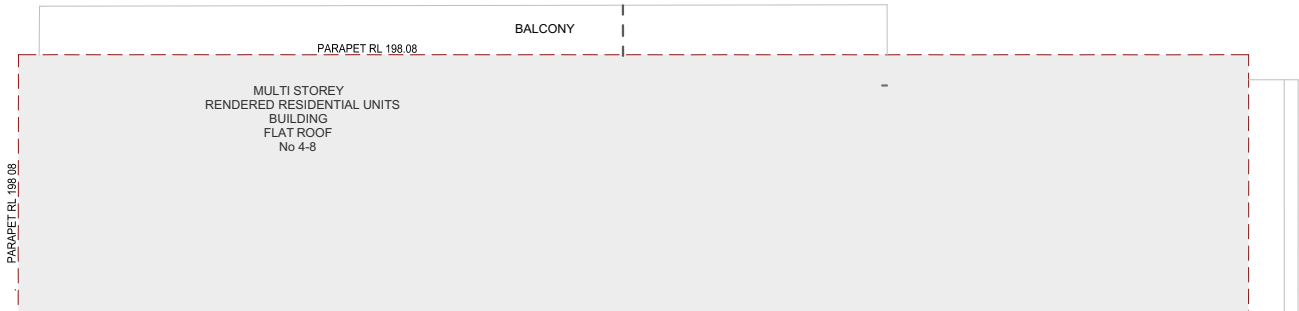
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97°19'30" 51.275M

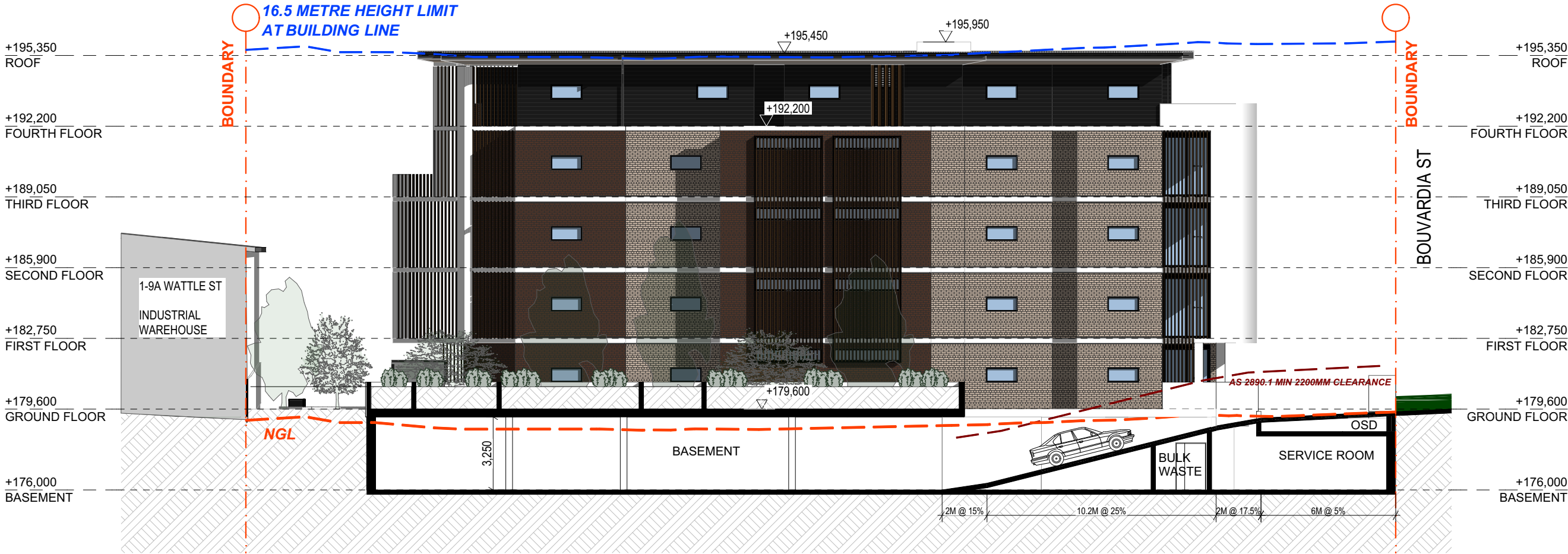


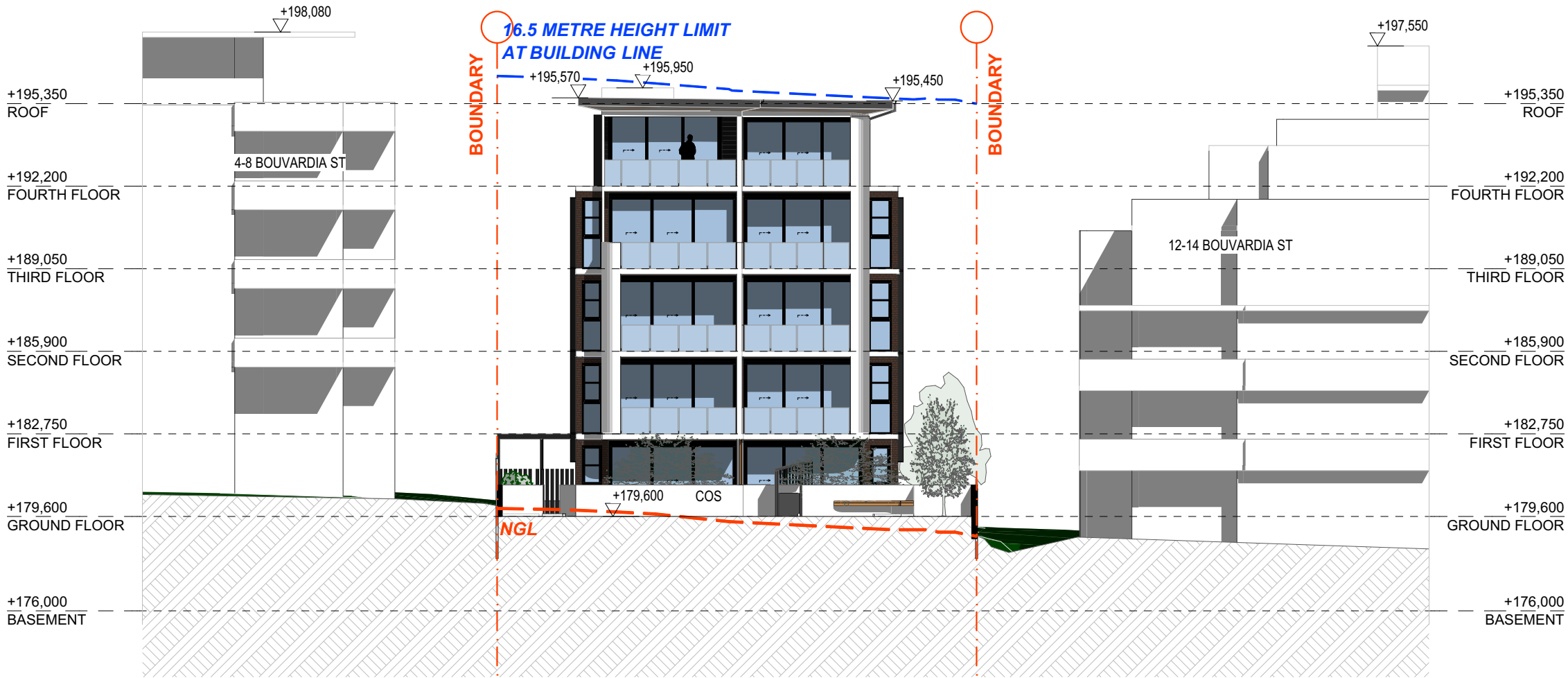
277°19'30" 50.445M



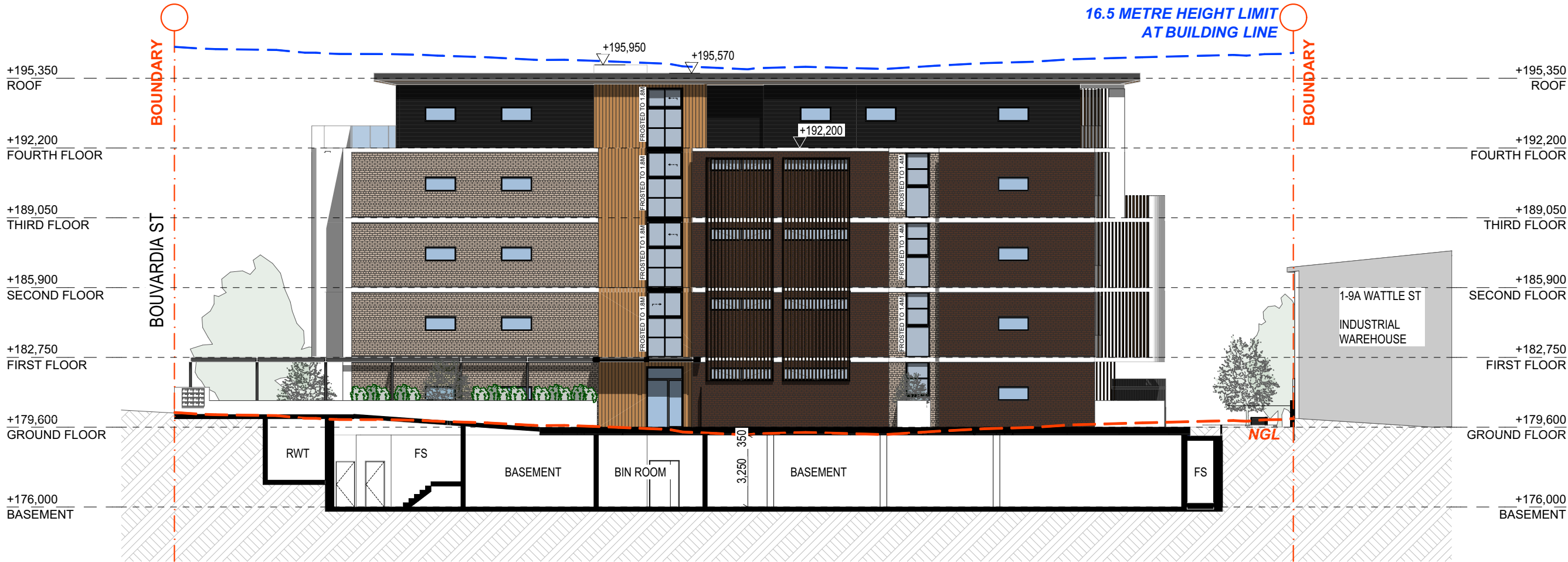
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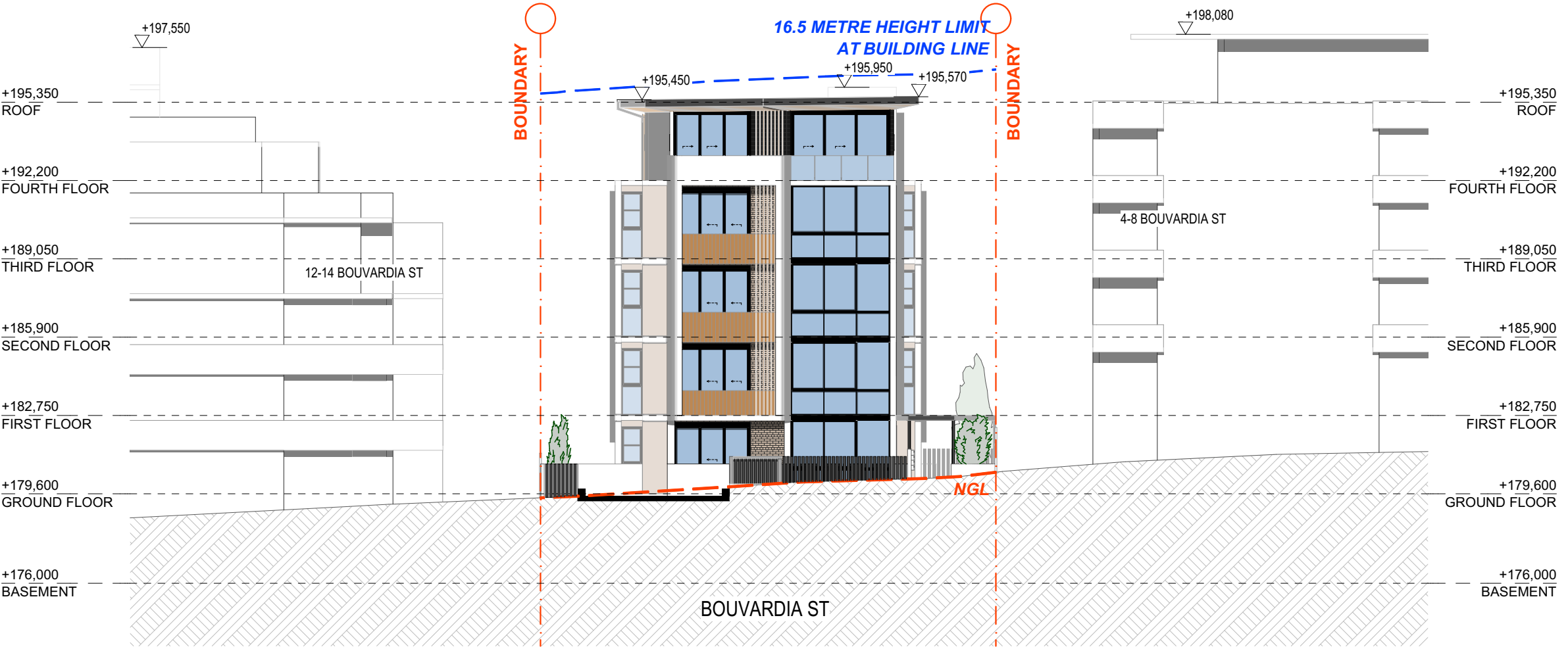




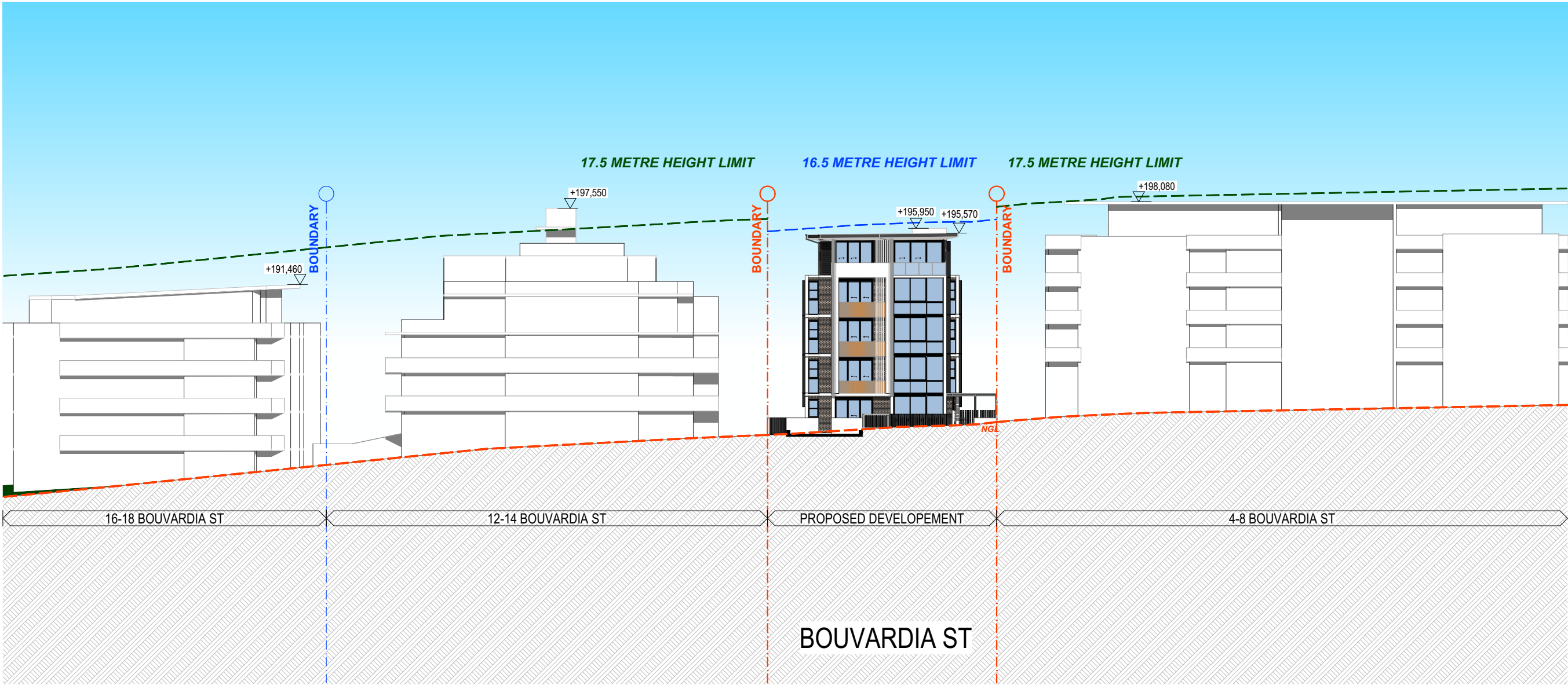








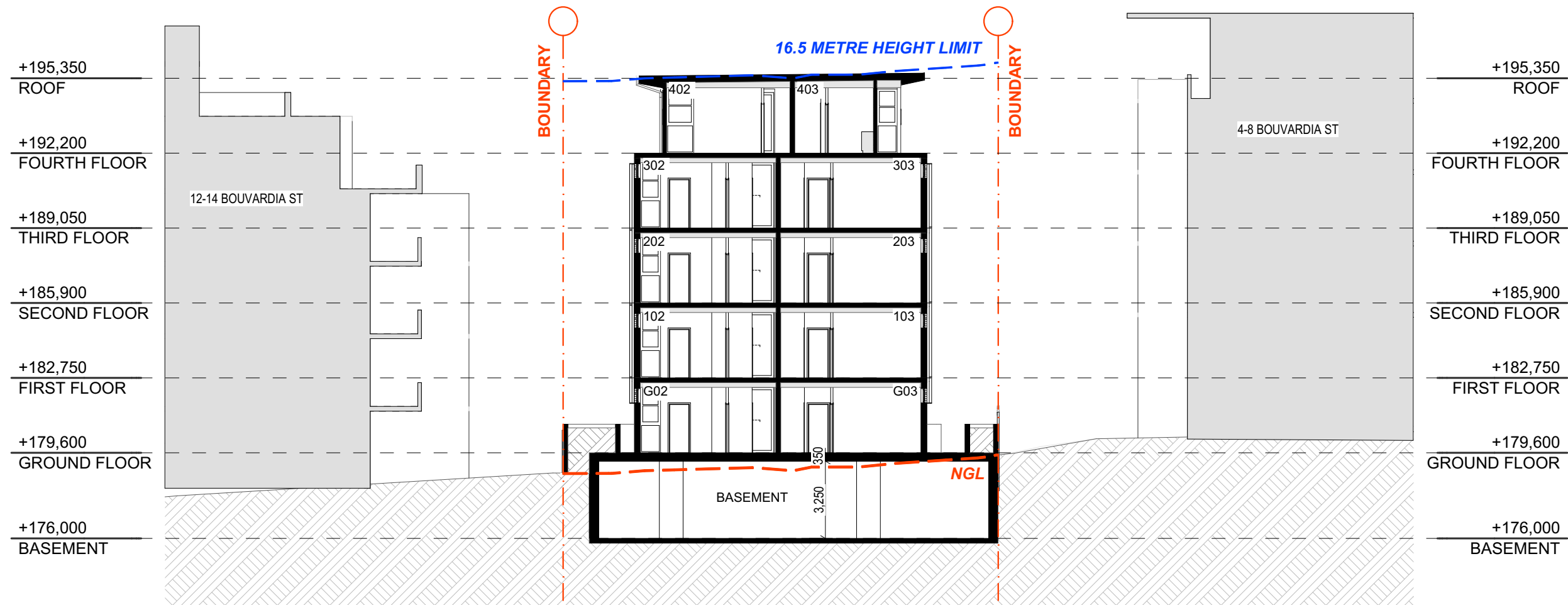




**NOTE:** ALL HEIGHT LIMITS  
MEASURED AT BUILDING LINE







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|------------|------------------|-----|------------|
| REV.       | DESCRIPTION      | BY  | DATE       |
| B          | RFI              | J.E | 09.05.2023 |
| C          | COUNCIL COMMENTS | J.E | 19.06.2023 |
| D          | COUNCIL COMMENTS | J.E | 28.08.2023 |

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**2077**  
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**22/14**

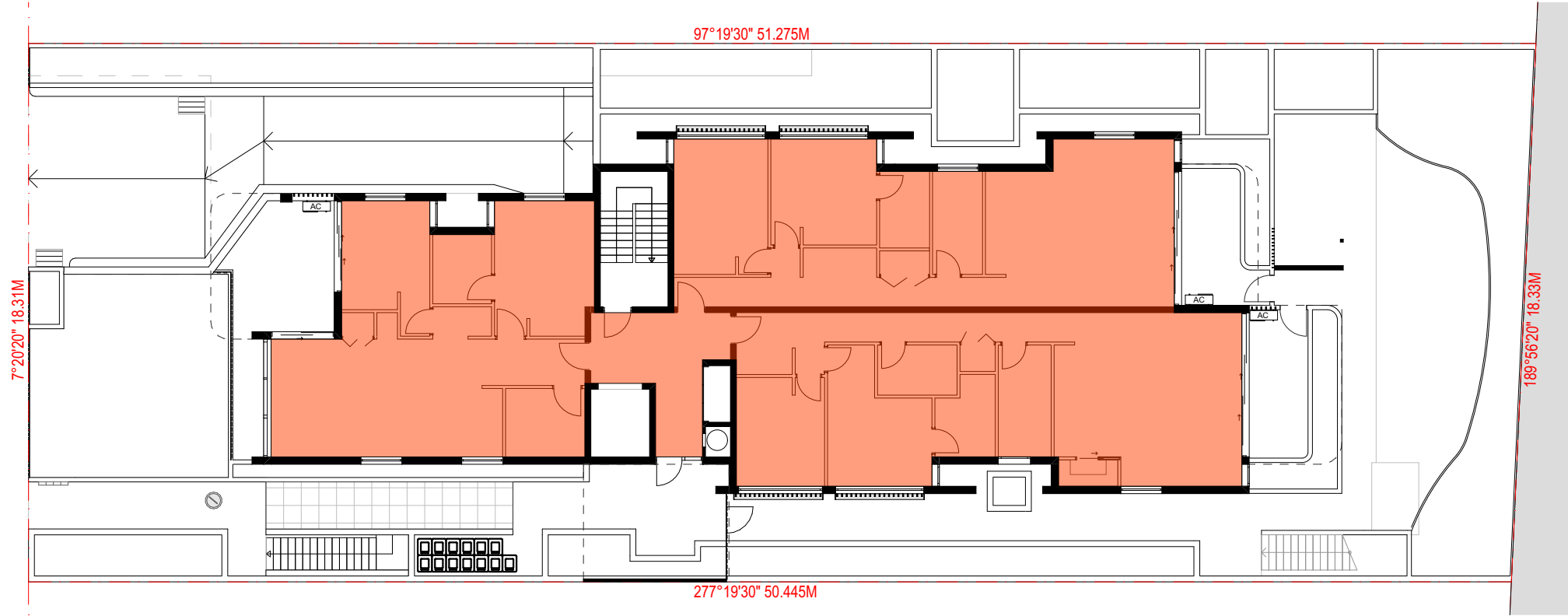
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**SECTION B**

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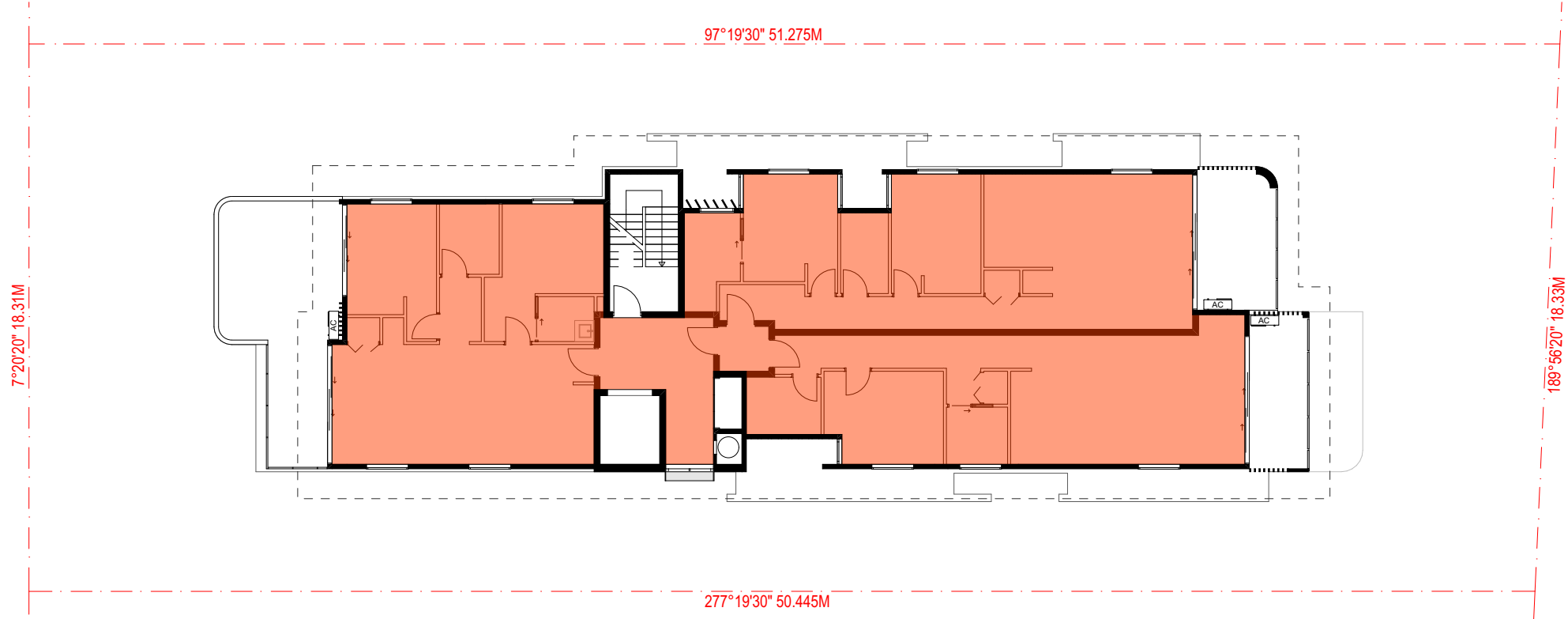
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ISSUE:  
**D**



TYPICAL FLOOR (G-L3)

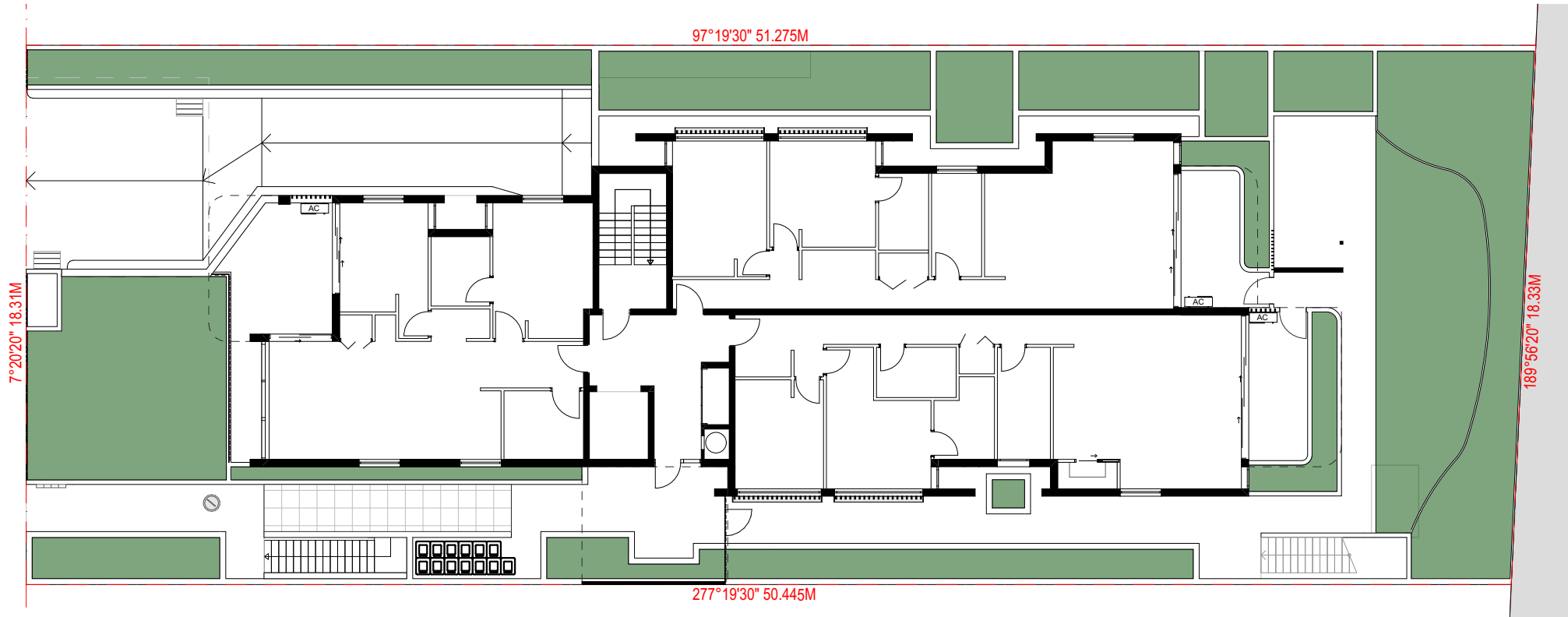


FOURTH FLOOR

| GROSS FLOOR AREAS |                    |
|-------------------|--------------------|
|                   | AREA (m2)          |
| GROUND FLOOR      |                    |
|                   | 286.99             |
| FIRST FLOOR       |                    |
|                   | 286.99             |
| SECOND FLOOR      |                    |
|                   | 286.99             |
| THIRD FLOOR       |                    |
|                   | 286.99             |
| FOURTH FLOOR      |                    |
|                   | 246.67             |
|                   | 1,394.63 m²        |
|                   | GFA AREAS MEASURED |

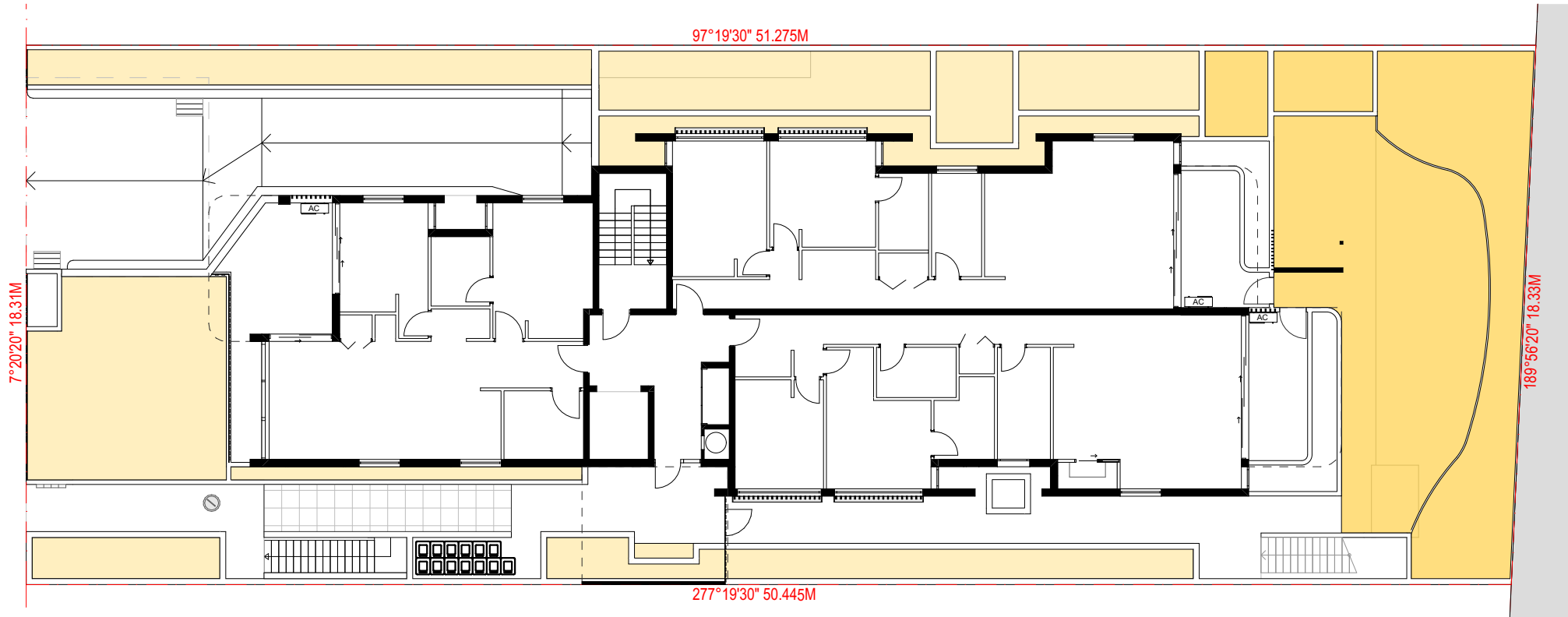
| GFA CALCULATIONS |          |
|------------------|----------|
| SITE AREA        | 931.2m²  |
| PROPOSED GFA m²  | 1394.6m² |





| LANDSCAPE AREAS |                       |
|-----------------|-----------------------|
|                 | AREA (m2)             |
| GROUND FLOOR    | 266.67                |
|                 | 266.67 m <sup>2</sup> |
|                 | AREAS MEASURED        |

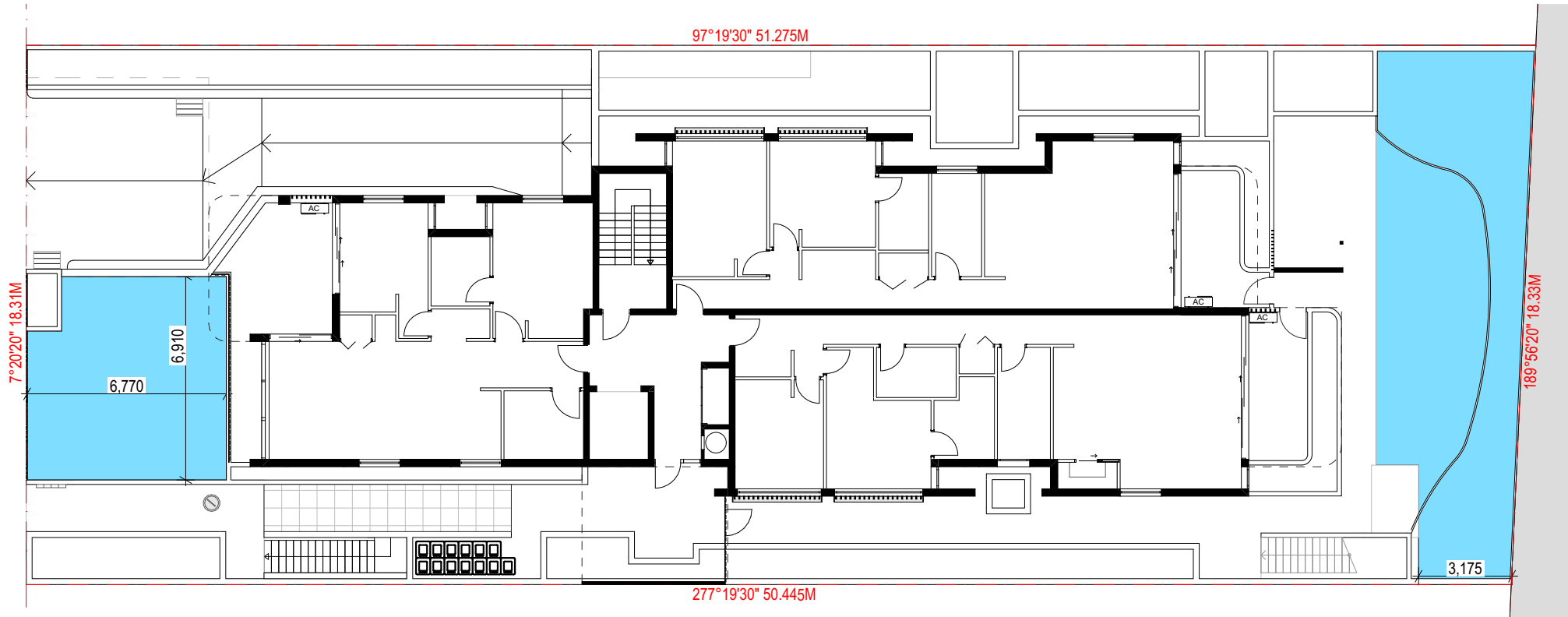
| LANDSCAPE CALCULATIONS            |                     |
|-----------------------------------|---------------------|
| SITE AREA                         | 931.2m <sup>2</sup> |
| PROPOSED LANDSCAPE %              | 28.6%               |
| PROPOSED LANDSCAPE m <sup>2</sup> | 266.7m <sup>2</sup> |



| PRINCIPLE COS AREAS |                |
|---------------------|----------------|
|                     | AREA (m2)      |
| GROUND FLOOR        | 136.86         |
|                     | 136.86 m²      |
|                     | AREAS MEASURED |

| COS AREAS SECONDARY |                    |
|---------------------|--------------------|
|                     | AREA (m2)          |
| GROUND FLOOR        | 181.43             |
|                     | 181.43 m²          |
|                     | GFA AREAS MEASURED |

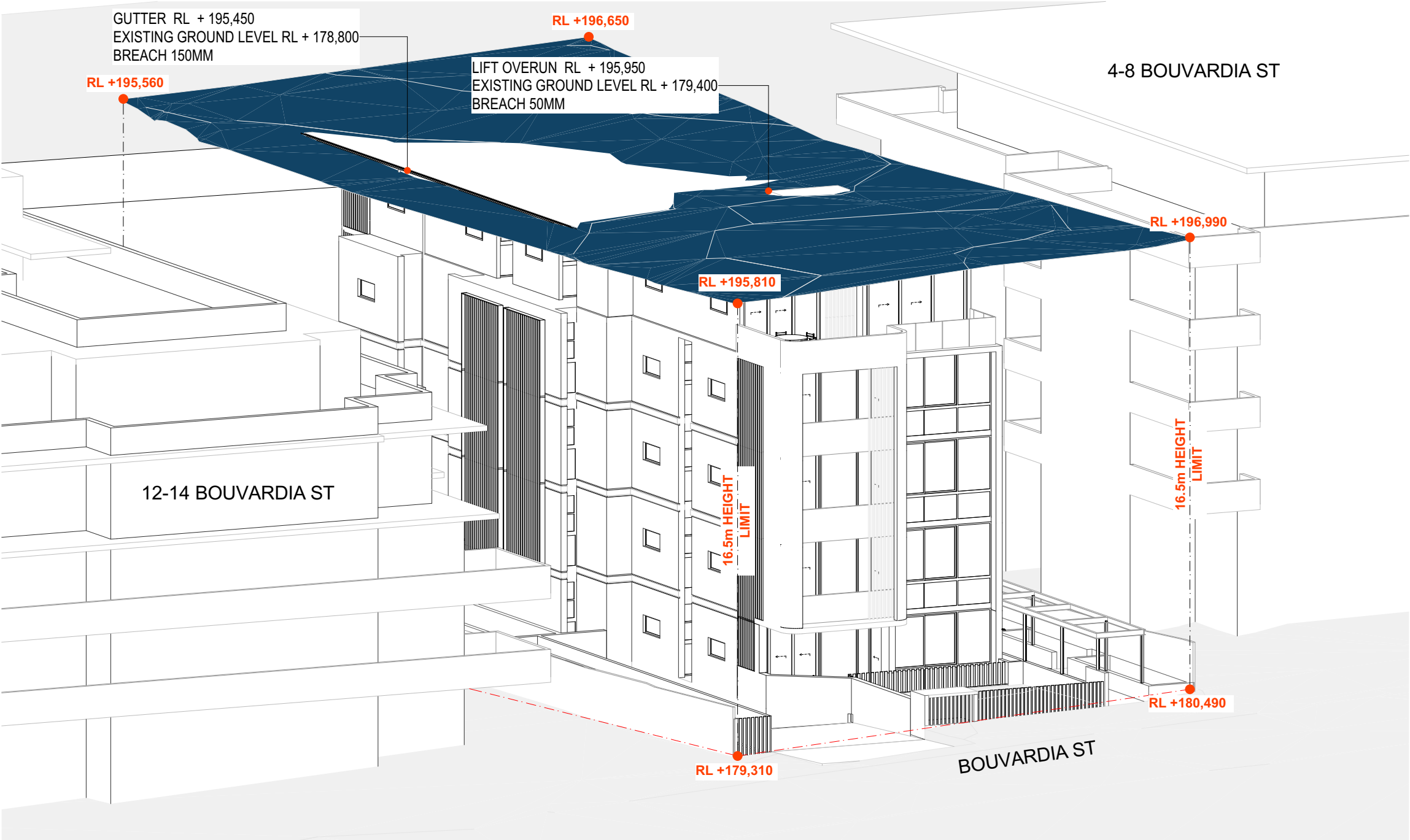
| COS CALCULATIONS   |         |
|--------------------|---------|
| SITE AREA          | 931.2m² |
| ADG MINIMUM COS%   | 25%     |
| ADG MINIMUM COS m² | 232.8m² |
|                    |         |
| PROPOSED COS m²    | 318.3m² |
| PROPOSED COS %     | 34.2%   |



| DEEP SOIL AREAS |                |
|-----------------|----------------|
|                 | AREA (m2)      |
| GROUND FLOOR    | 130.58         |
|                 | 130.58 m²      |
|                 | AREAS MEASURED |

| DEEP SOIL CALCULATIONS   |         |
|--------------------------|---------|
| SITE AREA                | 931.2m² |
| ADG MINIMUM DEEP SOIL %  | 7%      |
| ADG MINIMUM DEEP SOIL m² | 65.2m²  |
|                          |         |
| PROPOSED DEEP SOIL m²    | 130.6m² |
| PROPOSED DEEP SOIL %     | 14.3%   |





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Nominated Architect No.6033  
ABN 76 091 107 201  
ACN 091107201

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| AMENDMENTS |                  |     |            |
|------------|------------------|-----|------------|
| REV.       | DESCRIPTION      | BY  | DATE       |
| D          | COUNCIL COMMENTS | J.E | 09.08.2023 |
| E          | COUNCIL COMMENTS | J.E | 28.08.2023 |
| F          | COUNCIL COMMENTS | J.E | 30.08.2023 |

**MULTI RESIDENTIAL DEVELOPMENT**  
PROJECT  
**10 Bouvardia St Asquith NSW**  
**2077**  
PROJECT NO.  
**22/14**

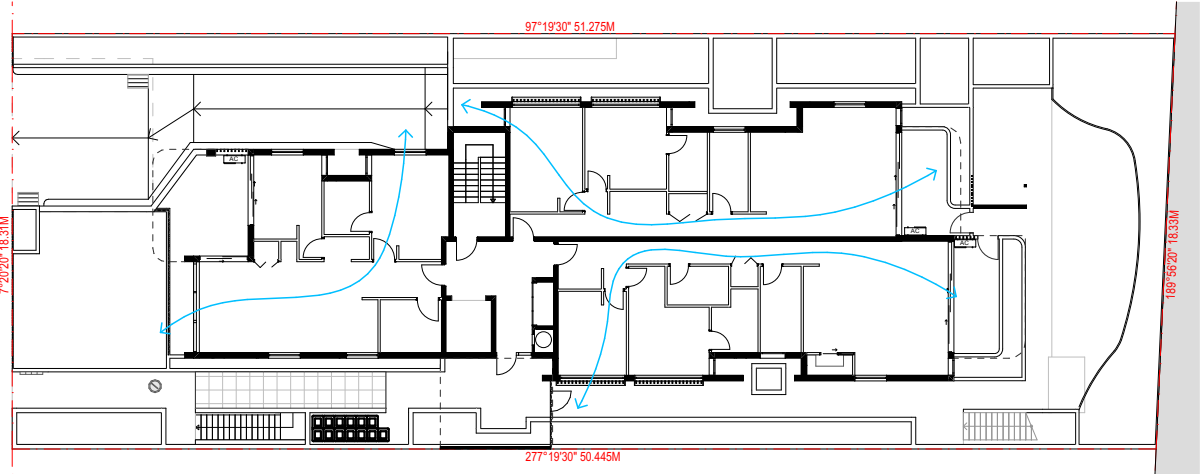
DRAWING:  
**BUILDING HEIGHT PLANE**

DRAWN BY  
J.E  
CHECKED BY  
D.M

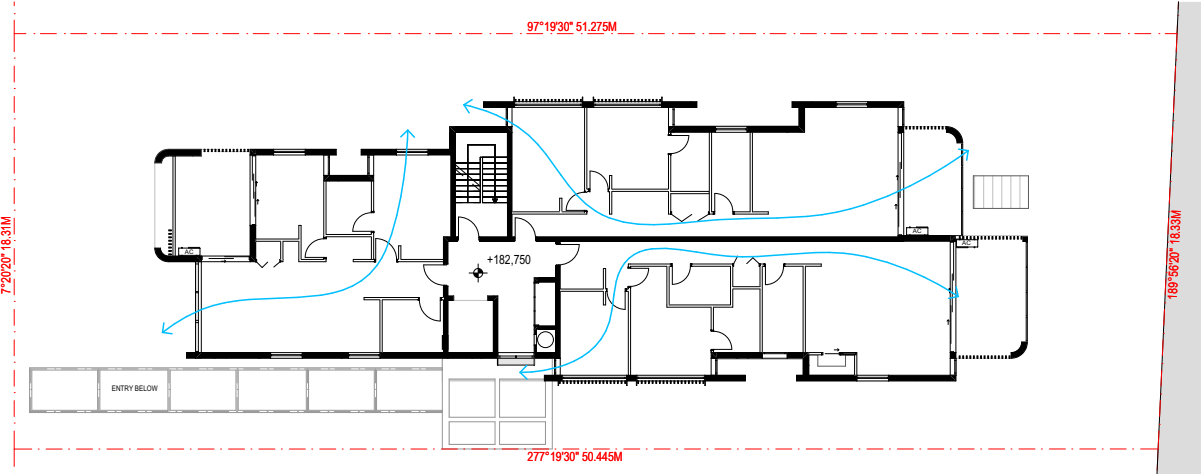
SCALE:  
@A3

DRAWING NO.:  
**A3005**

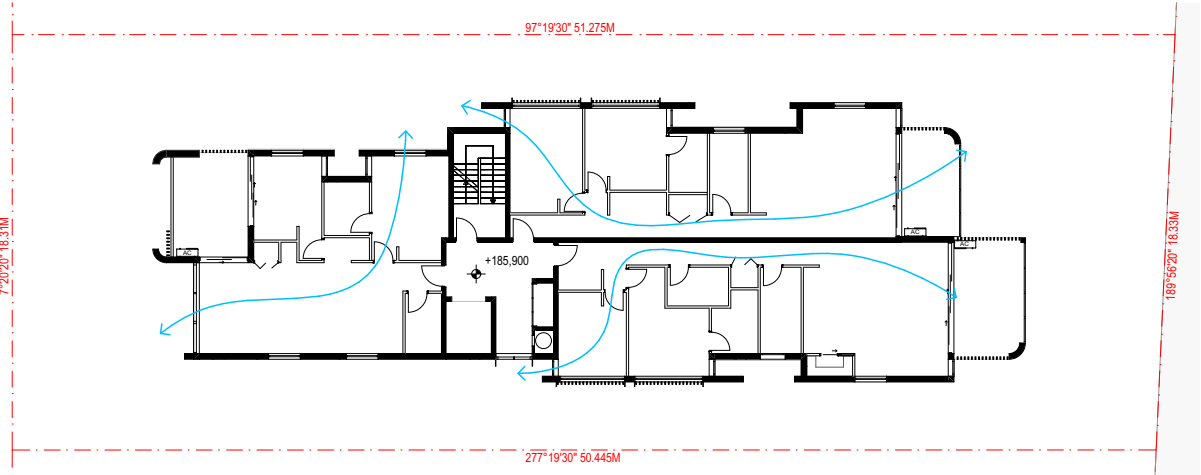
ISSUE:  
**F**



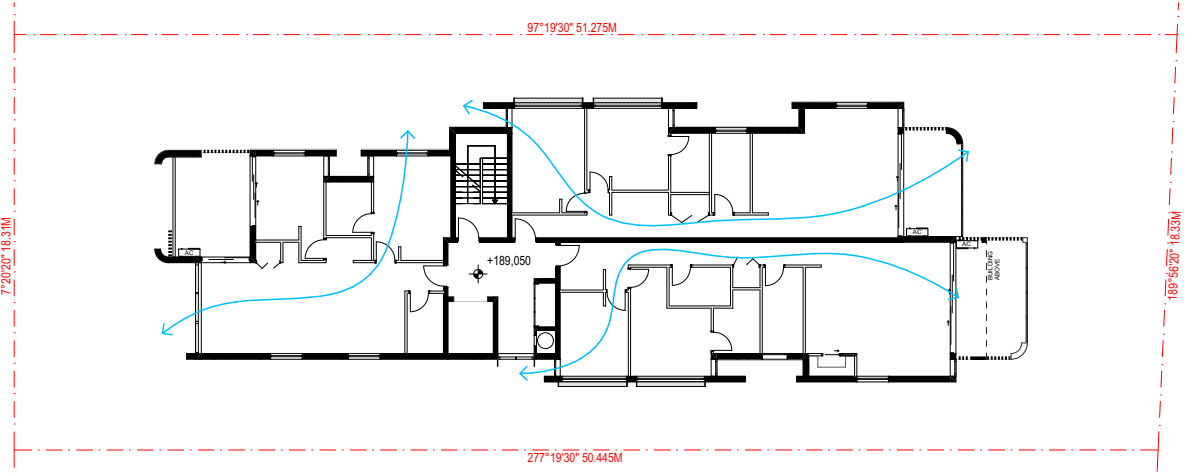
GROUND FLOOR



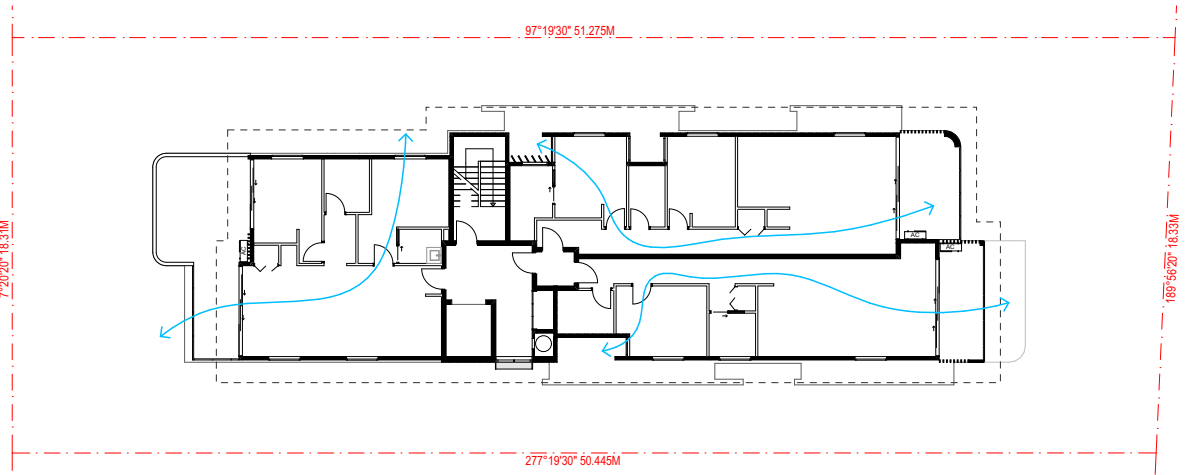
FIRST FLOOR



SECOND FLOOR

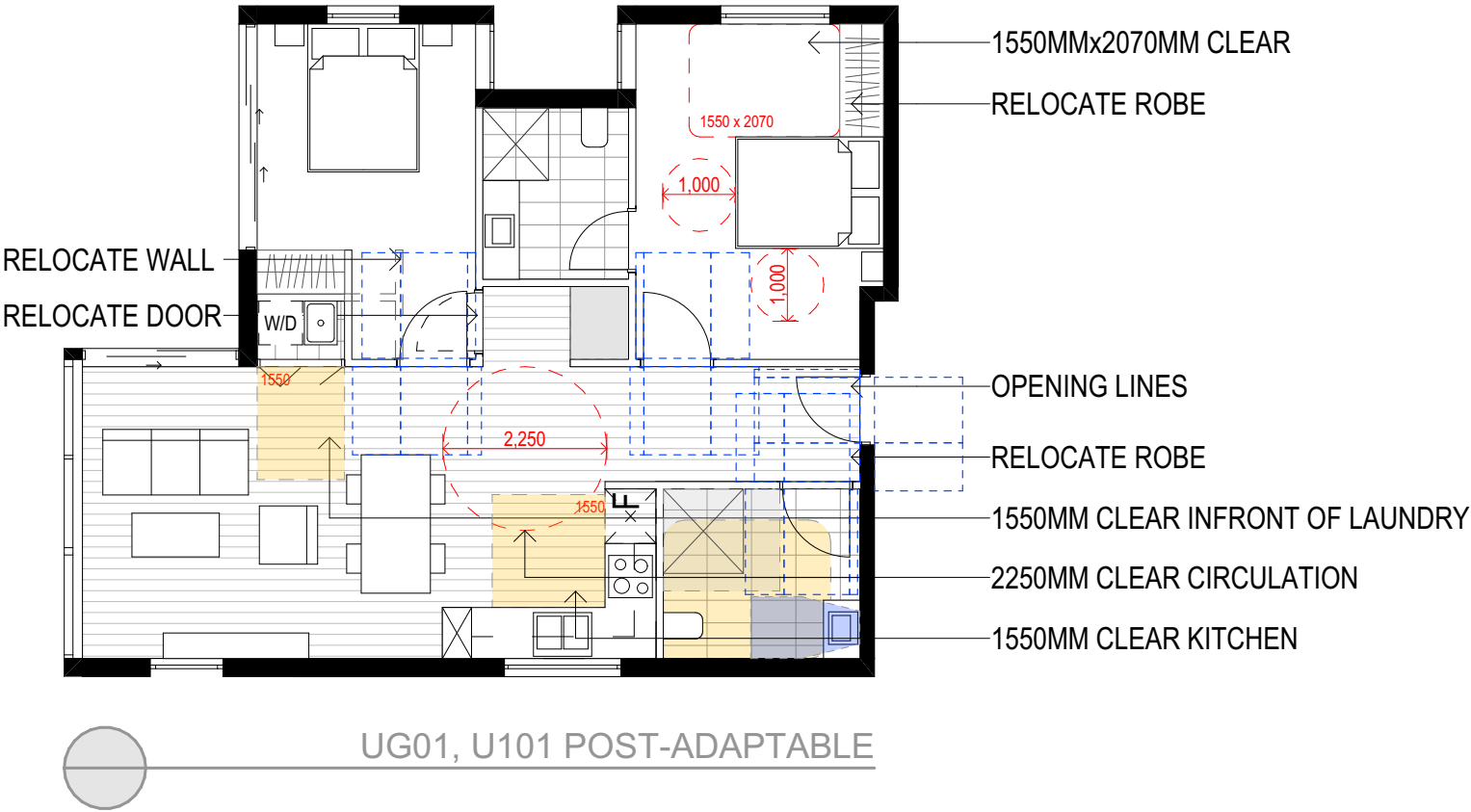
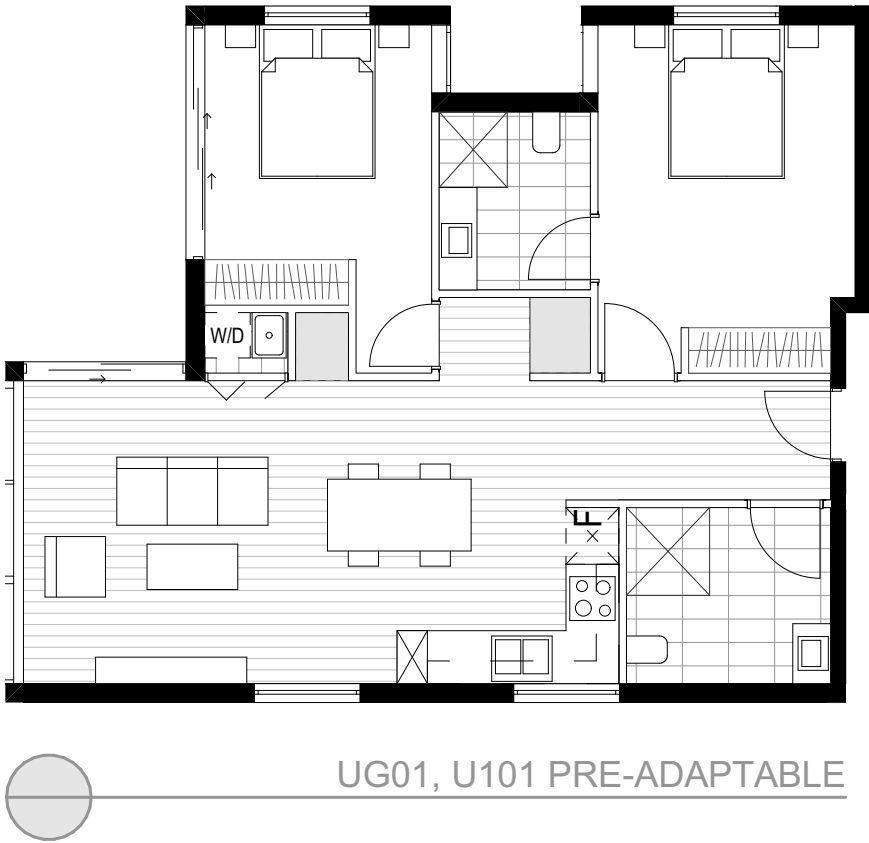


THIRD FLOOR



FOURTH FLOOR

| CROSS VENTILATION ACCESS CALCULATIONS       |       |
|---|-------|
| TOTAL NUMBER OF UNITS                       | 15    |
| ADG REQUIRED UNITS WITH CROSS VENTILATION % | 60 %  |
| ADG REQUIRED UNITS WITH CROSS VENTILATION   | 9     |
| PROPOSED UNITS WITH CROSS VENTILATION %     | 100 % |
| PROPOSED UNITS WITH CROSS VENTILATION       | 15    |



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| AMENDMENTS |             |     |            |
|------------|-------------|-----|------------|
| REV.       | DESCRIPTION | BY  | DATE       |
| A          | DA          | J.E | 15.12.2022 |
| B          | RFI         | J.E | 09.05.2023 |



**MULTI RESIDENTIAL DEVELOPMENT**  
PROJECT  
10 Bouvardia St Asquith NSW  
2077  
PROJECT NO.  
22/14

DRAWING:  
**PRE - POST ADAPTABLE**

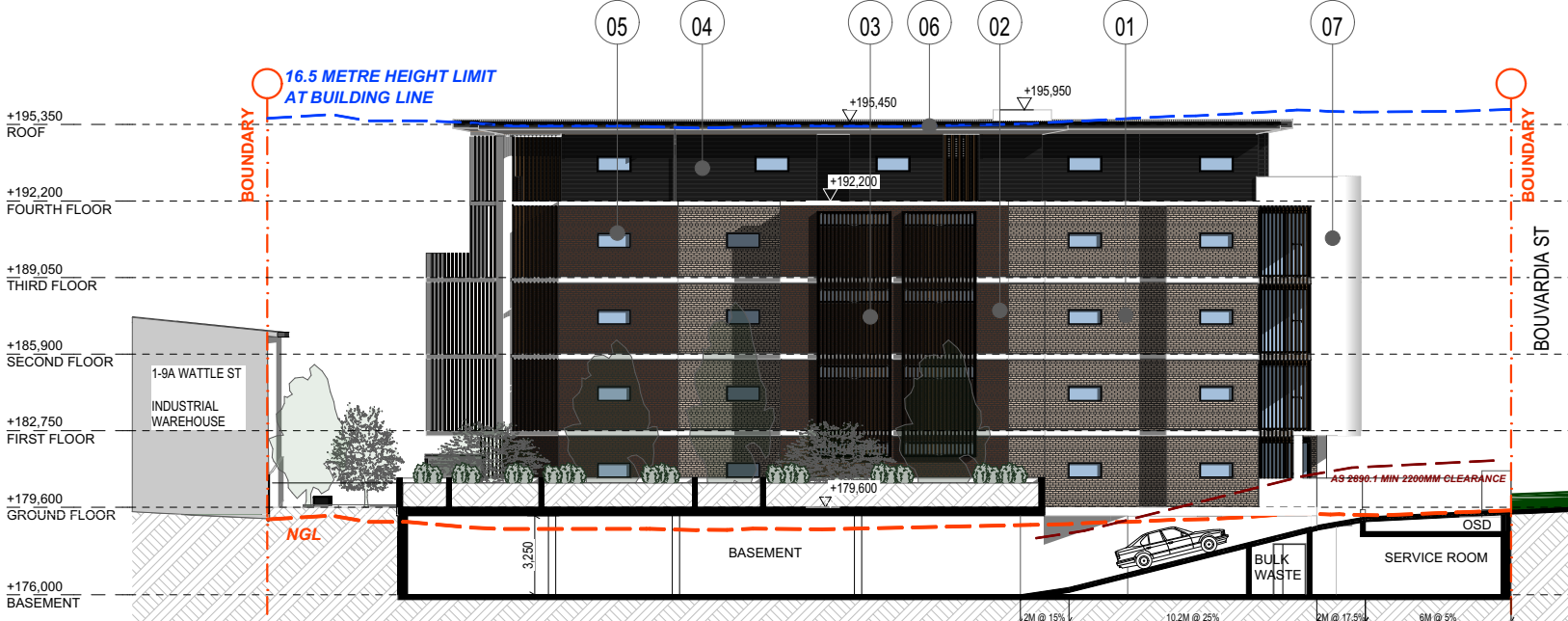
DRAWN BY  
J.E

SCALE:  
1:100@A3

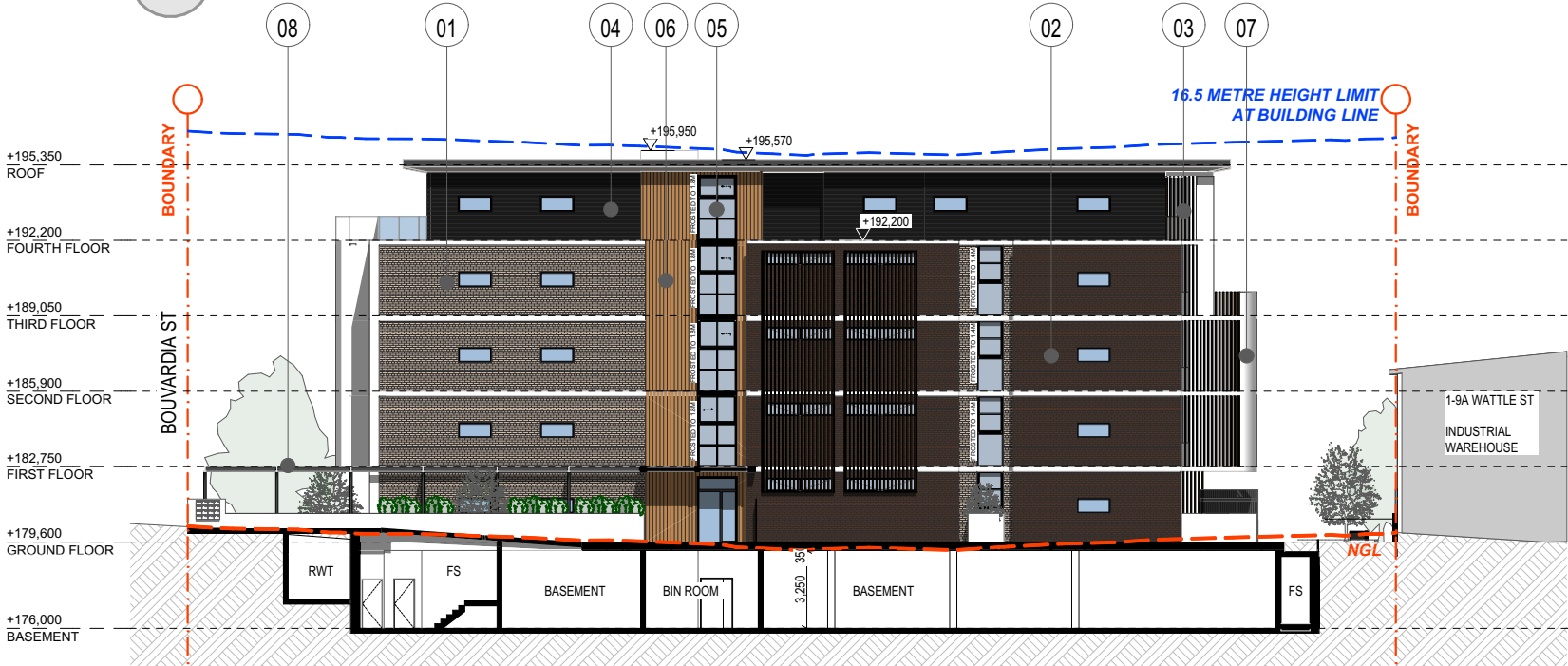
DRAWING NO.:  
**A3007**

ISSUE:  
**B**

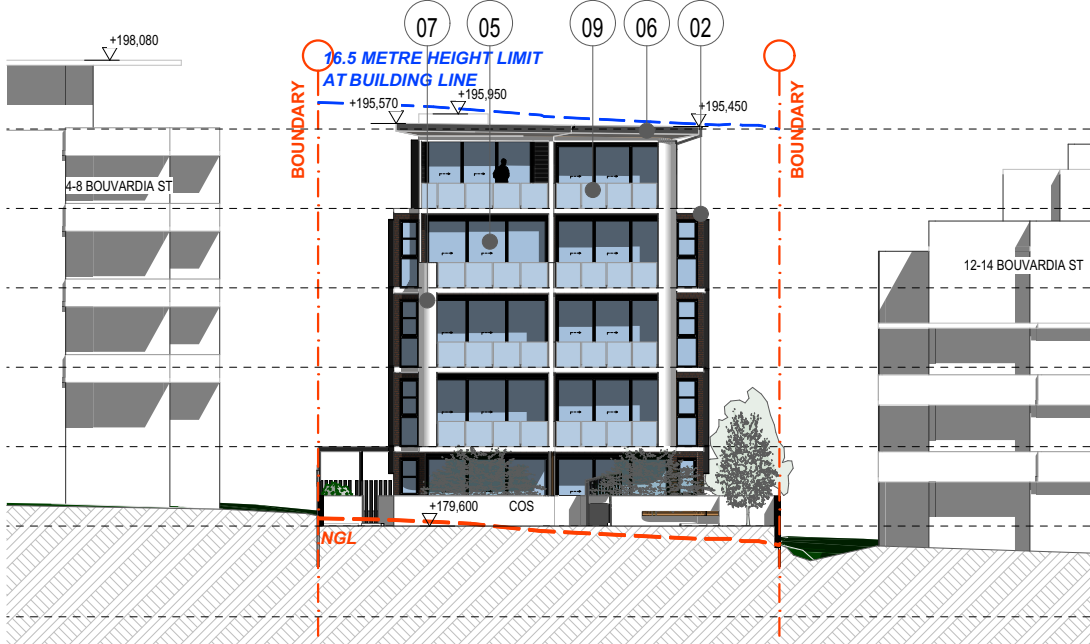




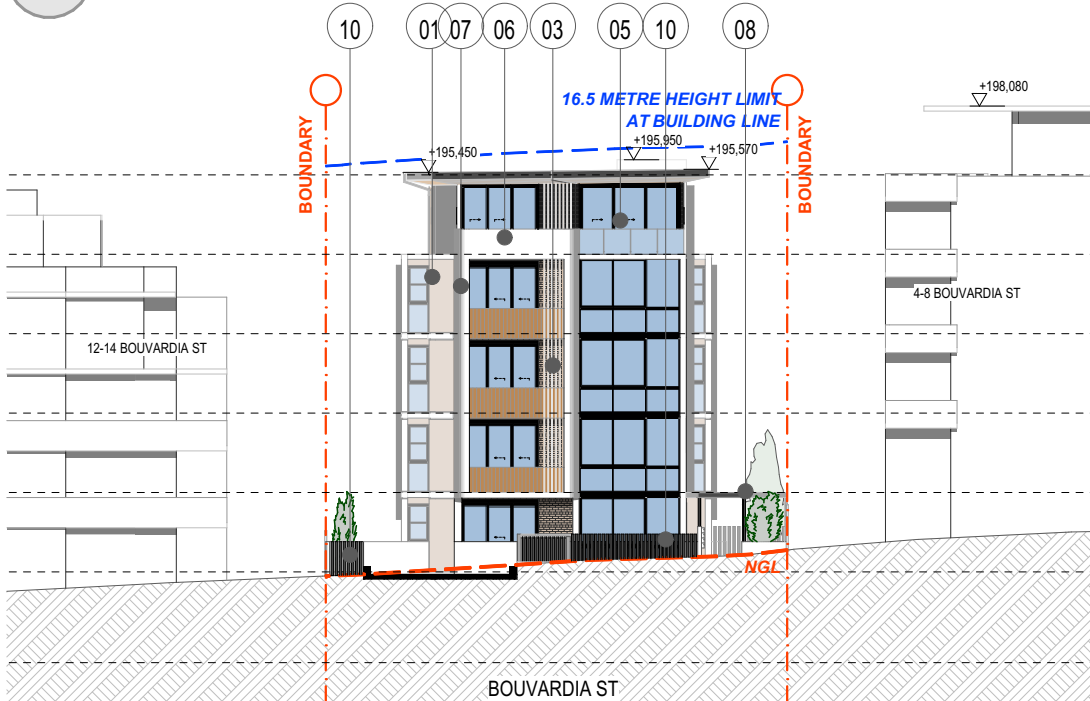
NORTH ELEVATION



SOUTH ELEVATION



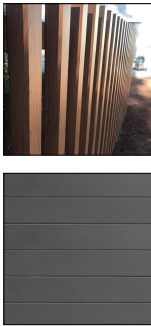
EAST ELEVATION



WEST ELEVATION

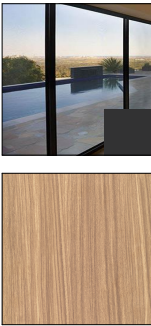


1. Brick - Colour equal to Simmental Silver



2. Brick - Colour equal to Bowral Blue

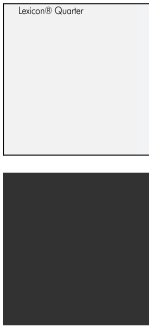
3. Knotwood Aluminium Louvres - Silver Wattle



4. Scyon Axon Cladding - Paint Dulux Monument or equivalent

5. Aluminium Glazing fixtures - Windows and Doors - Paint Dulux Monument or equivalent

6. Knotwood Aluminium Cladding - Silver Wattle



7. Paint Dulux Lexicon Quarter or equivalent

8. Powdercoated Steel Beam - Dulux Monument or equivalent



9. Fixed Clear Glass Balustrade

10. Colorbond Monument Picket Fence/Gate



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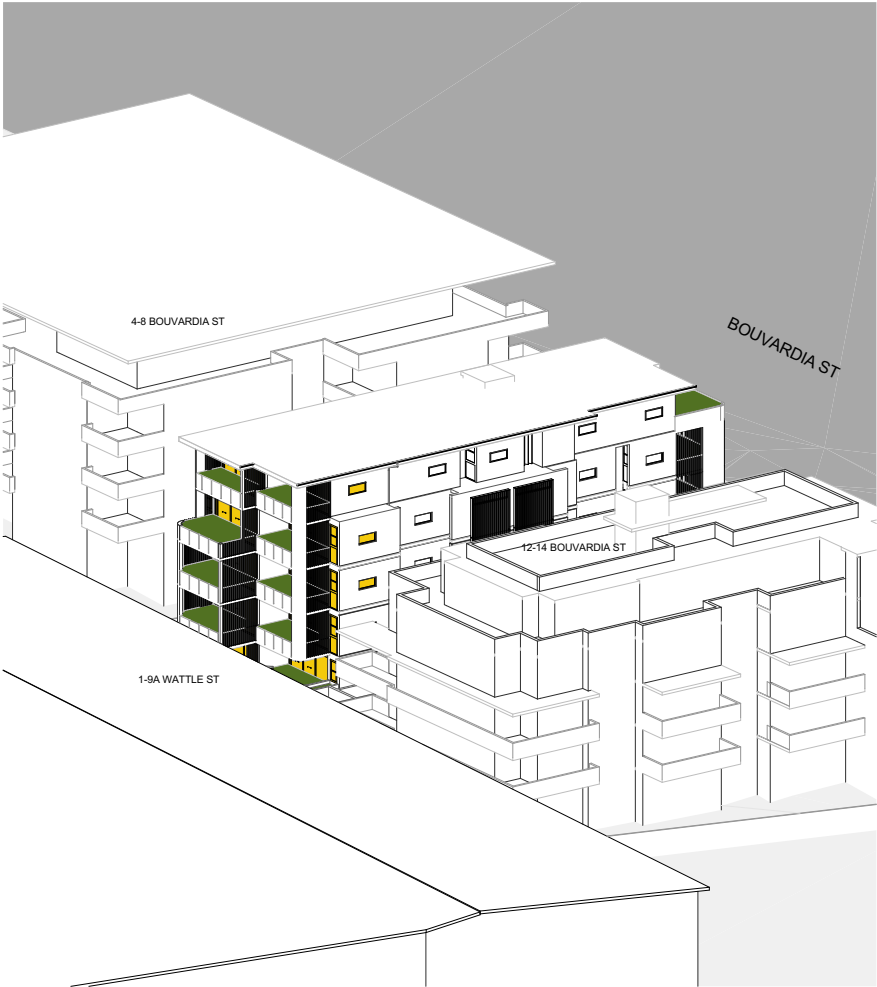
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| F          | COUNCIL COMMENTS | J.E | 30.08.2023 |

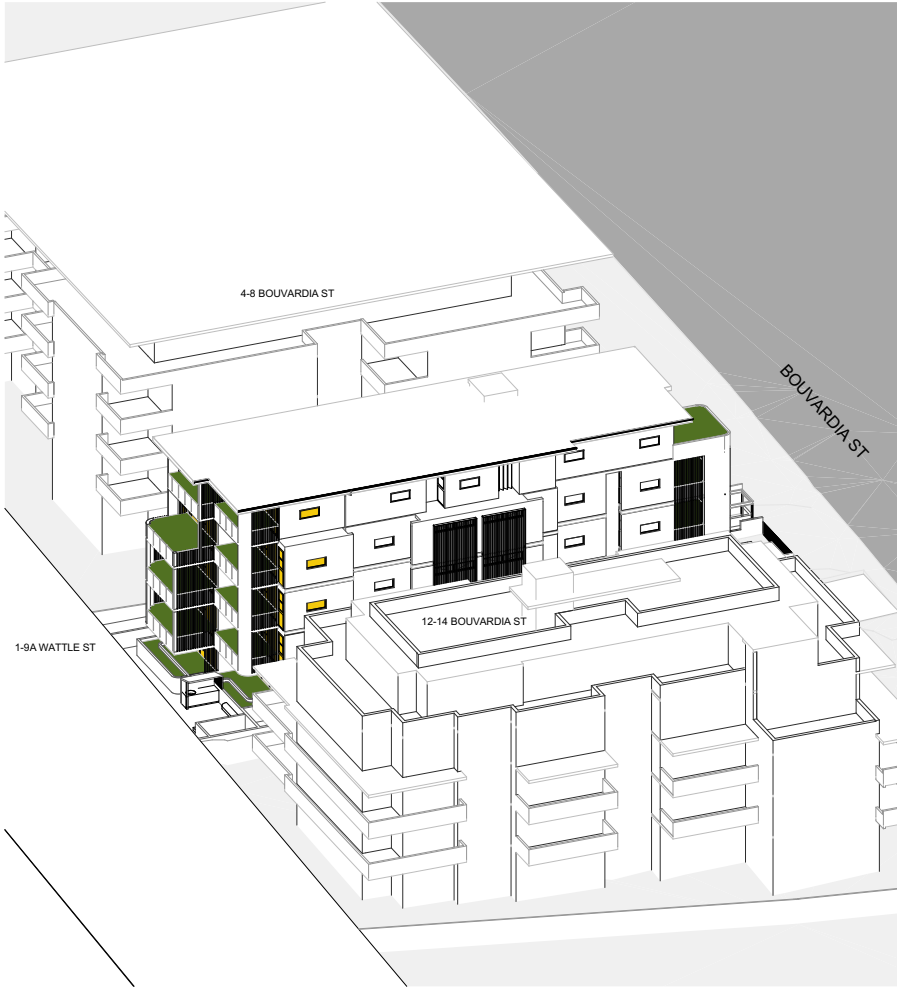
**MULTI RESIDENTIAL DEVELOPMENT**  
PROJECT  
**10 Bouvardia St Asquith NSW 2077**  
PROJECT NO.  
**22/14**

DRAWING:  
**SAMPLE BOARD**

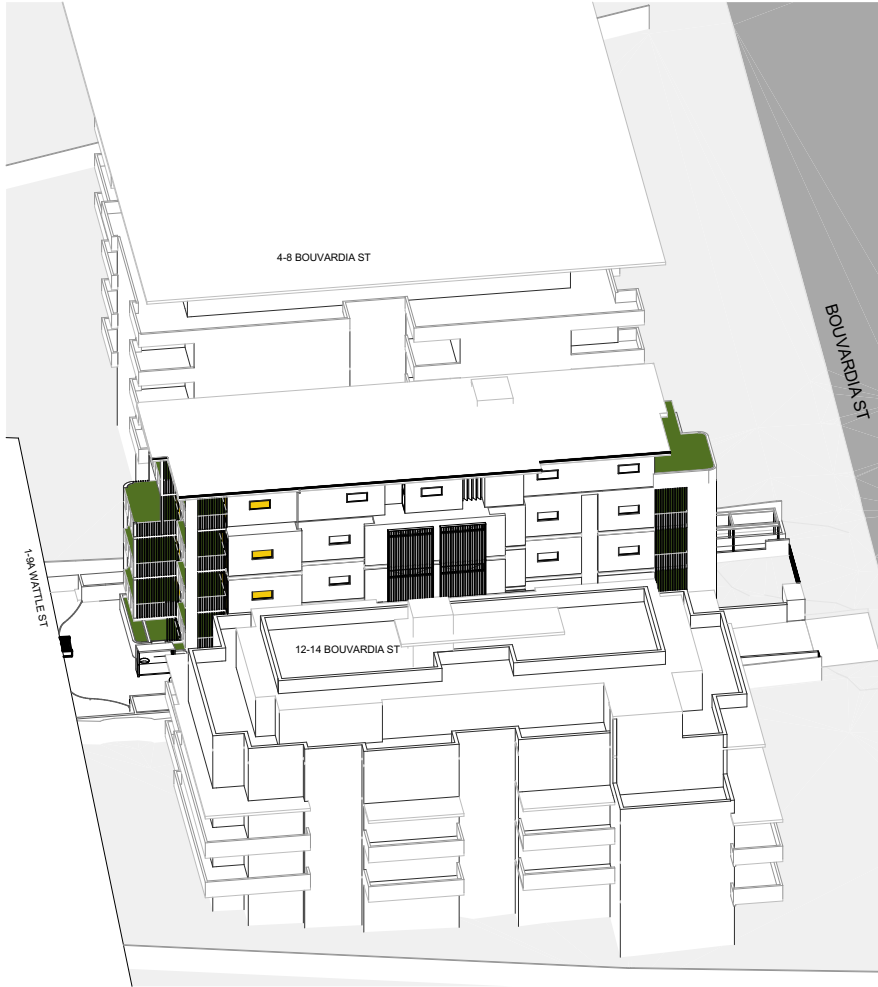
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|-------------------|---------------|------------------------------|--------------------|
| DRAWN BY<br>J.E   | SCALE:<br>@A3 | DRAWING NO.:<br><b>A3008</b> | ISSUE:<br><b>F</b> |
| CHECKED BY<br>D.M |               |                              |                    |



9AM 21 JUNE



10AM 21 JUNE



11AM 21 JUNE

- SOLAR ACCESSED TO LIVING
- SOLAR ACCESSED AT POS  
MEASURED AT 1M



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**MULTI RESIDENTIAL DEVELOPMENT**  
PROJECT  
**10 Bouvardia St Asquith NSW**  
**2077**  
PROJECT NO.  
**22/14**

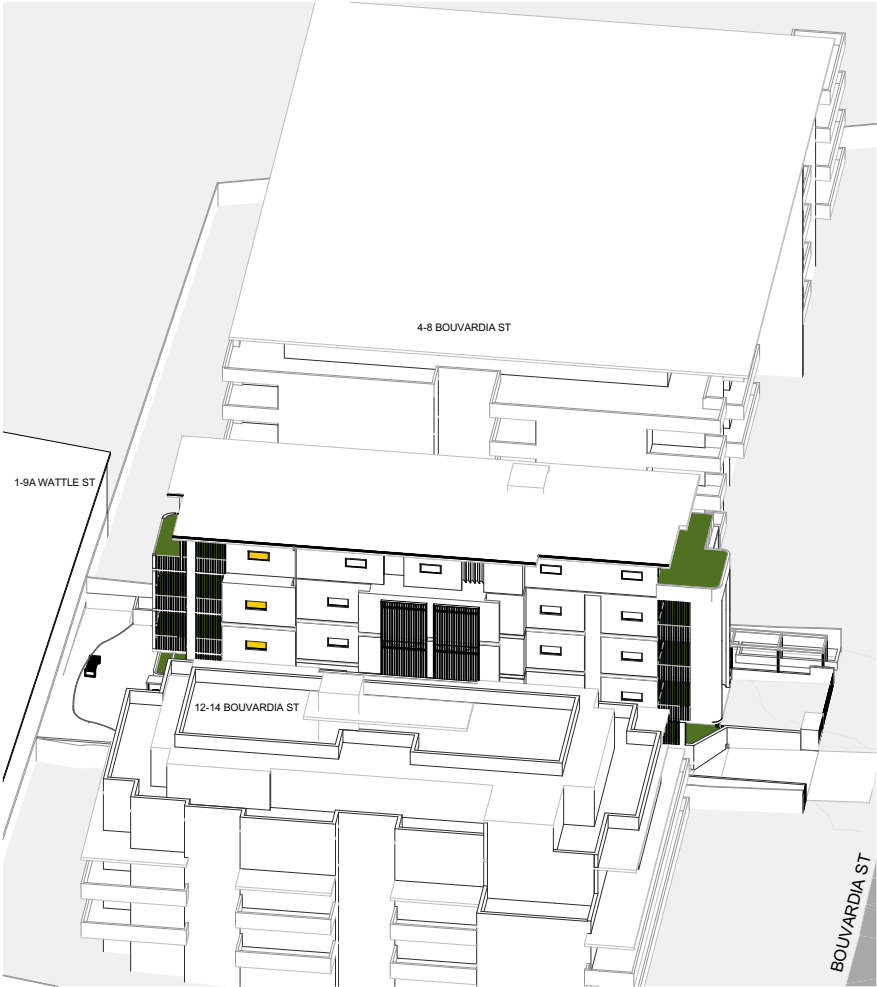
DRAWING:  
**SOLAR ACCESS 9AM-11AM**

DRAWN BY  
J.E  
CHECKED BY  
D.M

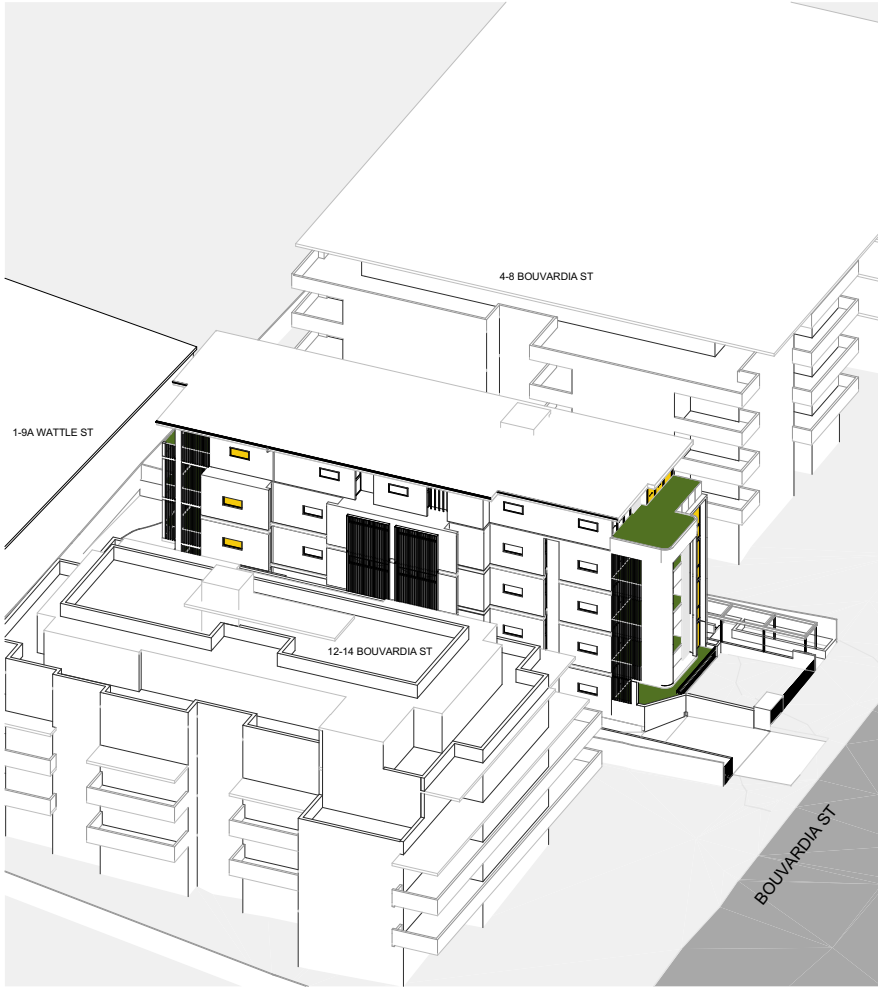
SCALE:  
@A3

DRAWING NO.:  
**A4001**

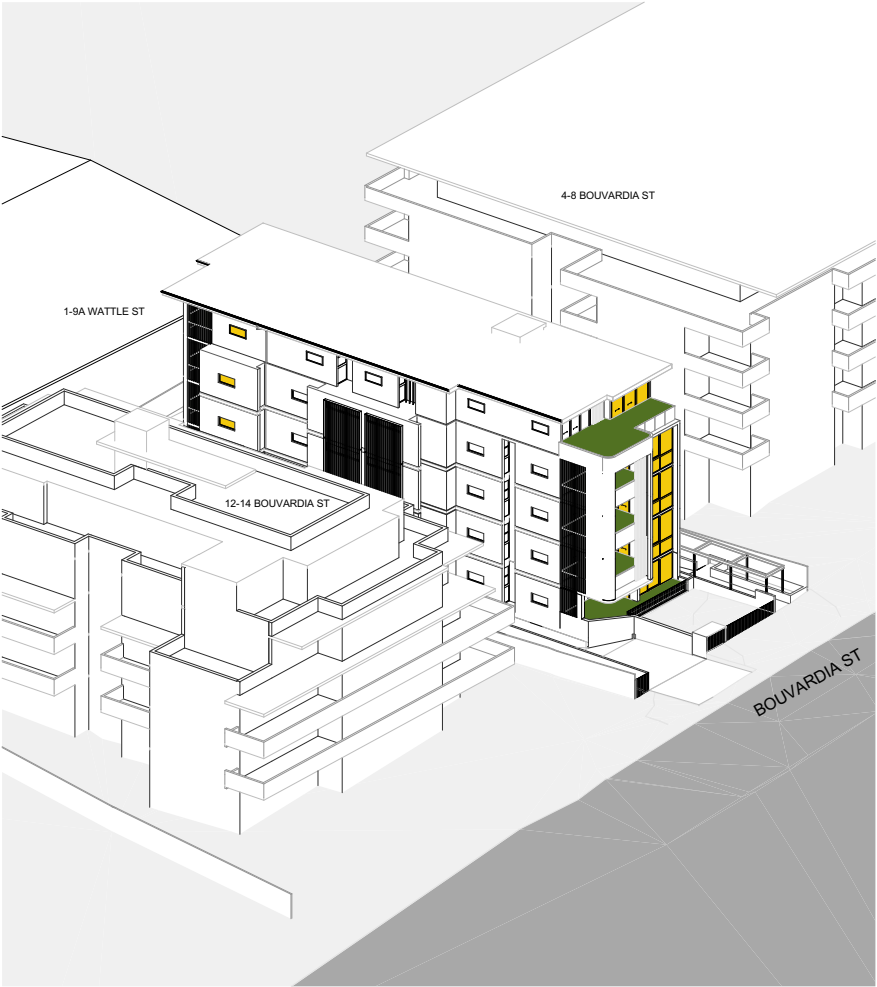
ISSUE:  
**F**



12PM 21 JUNE



1PM 21 JUNE



2PM 21 JUNE

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- SOLAR ACCESSED AT POS  
MEASURED AT 1M



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PROJECT NO.  
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DRAWING:  
**SOLAR ACCESS 12PM-2PM**

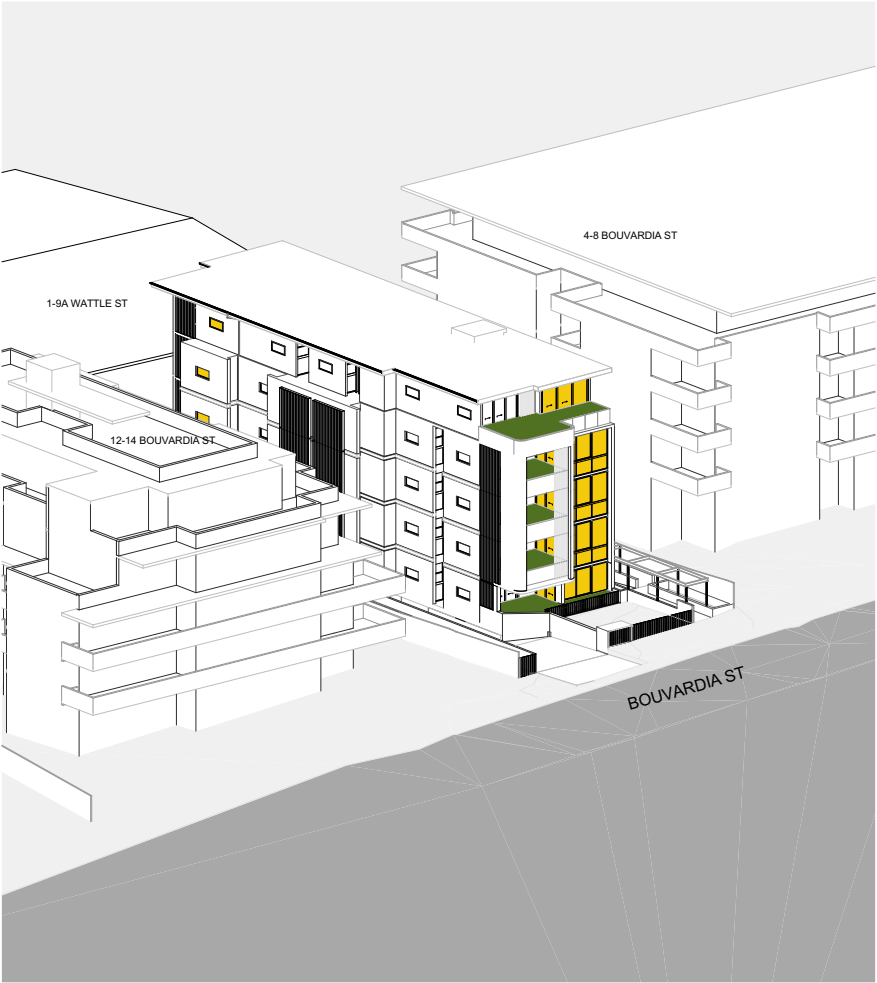
DRAWN BY  
J.E

SCALE:  
@A3

DRAWING NO.:  
**A4002**

ISSUE:  
**F**





- SOLAR ACCESSED TO LIVING
- SOLAR ACCESSED AT POS  
MEASURED AT 1M

INTERNAL SOLAR LIVING ANALYSIS

ACCESSED SOLAR  
LIVING

|     | 9 - 10 | 10 - 11 | 11-12 | 12-1 | 1-2 | 2-3 |   |
|-----|--------|---------|-------|------|-----|-----|---|
| G01 |        |         |       |      |     |     | 2 |
| G02 |        |         |       |      |     |     | 1 |
| G03 |        |         |       |      |     |     | 2 |
| 101 |        |         |       |      |     |     | 2 |
| 102 |        |         |       |      |     |     | 1 |
| 103 |        |         |       |      |     |     | 2 |
| 201 |        |         |       |      |     |     | 2 |
| 202 |        |         |       |      |     |     | 6 |
| 203 |        |         |       |      |     |     | 2 |
| 301 |        |         |       |      |     |     | 2 |
| 302 |        |         |       |      |     |     | 6 |
| 303 |        |         |       |      |     |     | 2 |
| 401 |        |         |       |      |     |     | 3 |
| 402 |        |         |       |      |     |     | 6 |
| 403 |        |         |       |      |     |     | 1 |

SOLAR ACCESS CALCULATIONS

|  |      |
|--|------|
| TOTAL NUMBER OF UNITS  | 15   |
| ADG REQUIRED UNITS WITH 2+ HOURS OF SOLAR ACCESS TO LIVING AREAS % | 70 % |
| ADG REQUIRED UNITS WITH 2+ HOURS OF SOLAR ACCESS TO LIVING AREAS   | 11   |
| ADG MAX NUMBERS OF UNITS WITH NO SOLAR ACCESS %                    | 15 % |
| ADG MAX NUMBERS OF UNITS WITH NO SOLAR ACCESS                      | 3    |
| PROPOSED UNITS WITH 2+ HOURS OF SOLAR ACCESS TO LIVING AREAS %     | 80%  |
| PROPOSED UNITS WITH 2+ HOURS OF SOLAR ACCESS TO LIVING AREAS       | 12   |
| PROPOSED NUMBERS OF UNITS WITH NO SOLAR ACCESS %                   | 7%   |
| PROPOSED NUMBERS OF UNITS WITH NO SOLAR ACCESS                     | 1    |

INTERNAL SOLAR POS ANALYSIS

ACCESSED SOLAR  
POS

|     | 9 - 10 | 10 - 11 | 11-12 | 12-1 | 1-2 | 2-3 |   |
|-----|--------|---------|-------|------|-----|-----|---|
| G01 |        |         |       |      |     |     | 3 |
| G02 |        |         |       |      |     |     | 2 |
| G03 |        |         |       |      |     |     | 3 |
| 101 |        |         |       |      |     |     | 4 |
| 102 |        |         |       |      |     |     | 4 |
| 103 |        |         |       |      |     |     | 4 |
| 201 |        |         |       |      |     |     | 5 |
| 202 |        |         |       |      |     |     | 5 |
| 203 |        |         |       |      |     |     | 4 |
| 301 |        |         |       |      |     |     | 5 |
| 302 |        |         |       |      |     |     | 5 |
| 303 |        |         |       |      |     |     | 4 |
| 401 |        |         |       |      |     |     | 6 |
| 402 |        |         |       |      |     |     | 5 |
| 403 |        |         |       |      |     |     | 2 |

SOLAR POS ACCESS CALCULATIONS

|   |      |
|---|------|
| TOTAL NUMBER OF UNITS   | 15   |
| ADG REQUIRED UNITS WITH 2+ HOURS OF SOLAR ACCESS TO POS AREAS % | 70 % |
| ADG REQUIRED UNITS WITH 2+ HOURS OF SOLAR ACCESS TO POS AREAS   | 11   |
| ADG MAX NUMBER OF UNITS WITH NO POS SOLAR ACCESS %              | 15 % |
| ADG MAX NUMBER OF UNITS WITH NO POS SOLAR ACCESS                | 3    |
| PROPOSED UNITS WITH 2+ HOURS OF SOLAR ACCESS TO POS AREAS %     | 100% |
| PROPOSED UNITS WITH 2+ HOURS OF SOLAR ACCESS TO POS AREAS       | 15   |
| PROPOSED NUMBERS OF UNITS WITH NO POS SOLAR ACCESS %            | 0%   |
| PROPOSED NUMBERS OF UNITS WITH NO POS SOLAR ACCESS              | 0    |



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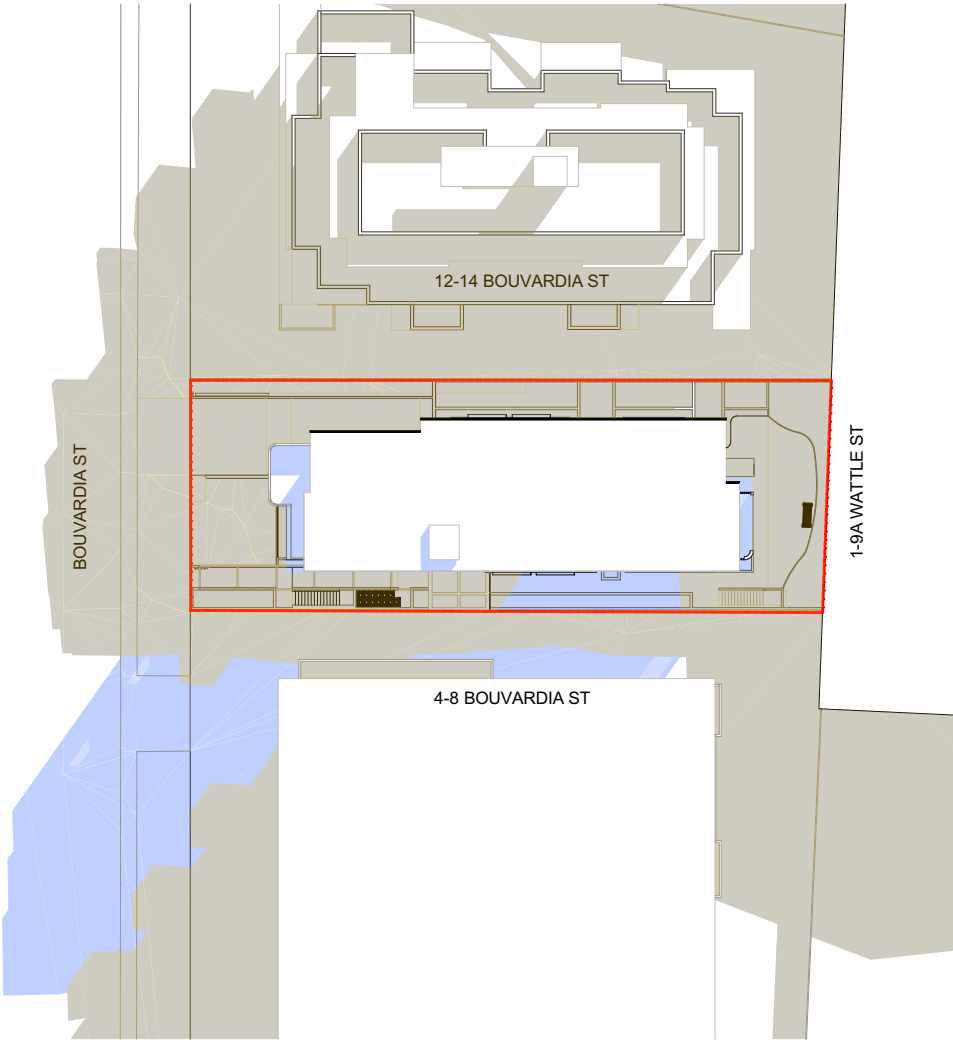
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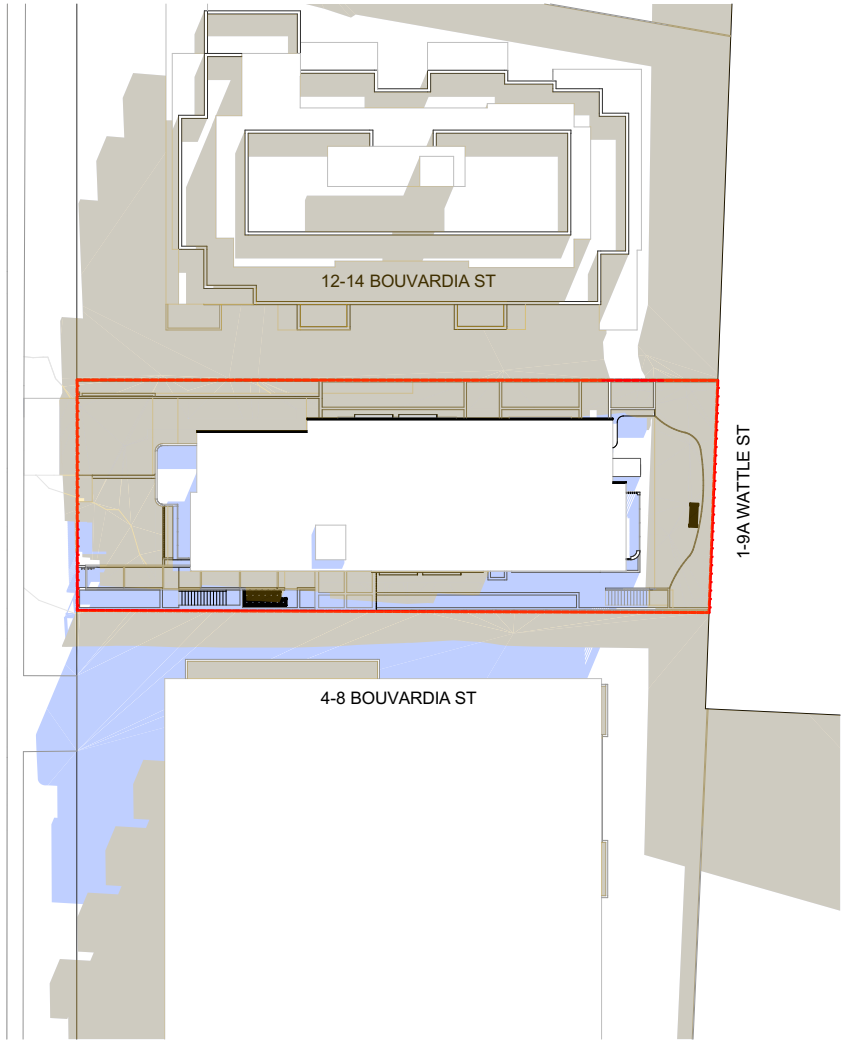
| AMENDMENTS |                  |     |            |
|------------|------------------|-----|------------|
| REV.       | DESCRIPTION      | BY  | DATE       |
| D          | COUNCIL COMMENTS | J.E | 09.08.2023 |
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PROJECT  
10 Bouvardia St Asquith NSW  
2077  
PROJECT NO.  
22/14

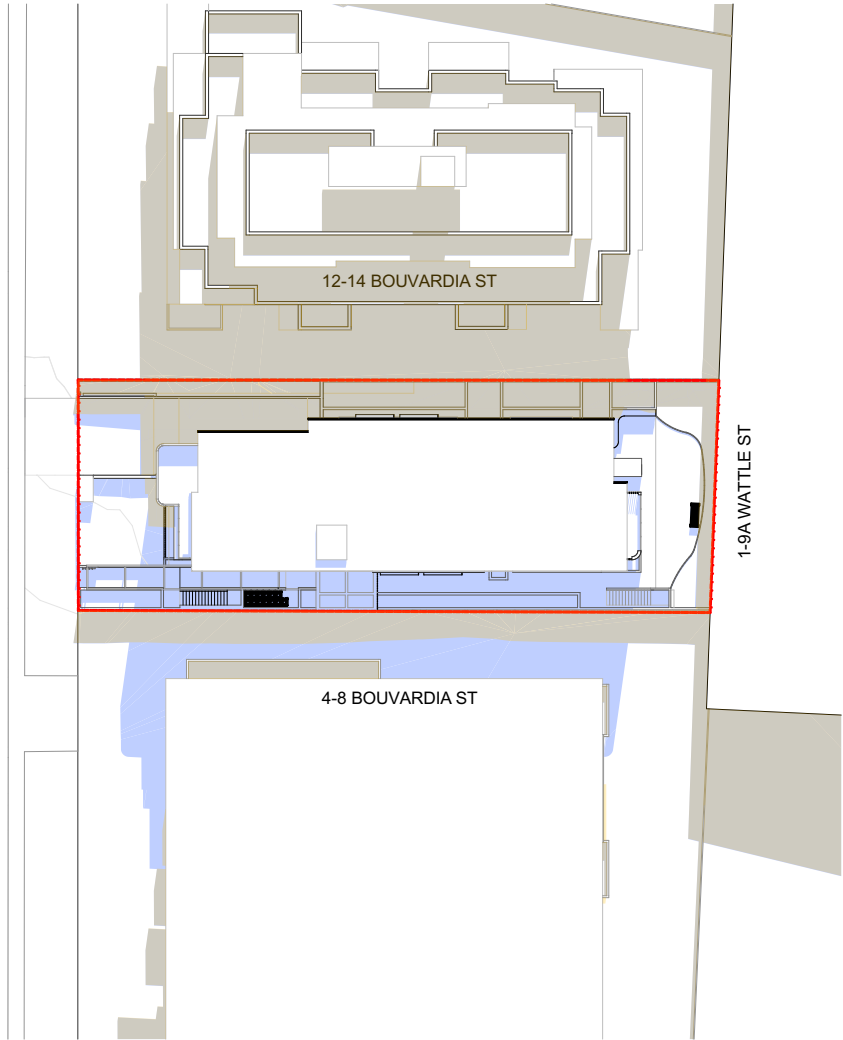
DRAWING:  
SOLAR ACCESS 3PM & ANALYSIS  
DRAWN BY  
J.E  
CHECKED BY  
D.M  
SCALE:  
@A3  
DRAWING NO.:  
A4003  
ISSUE:  
F



PROPOSED 9AM

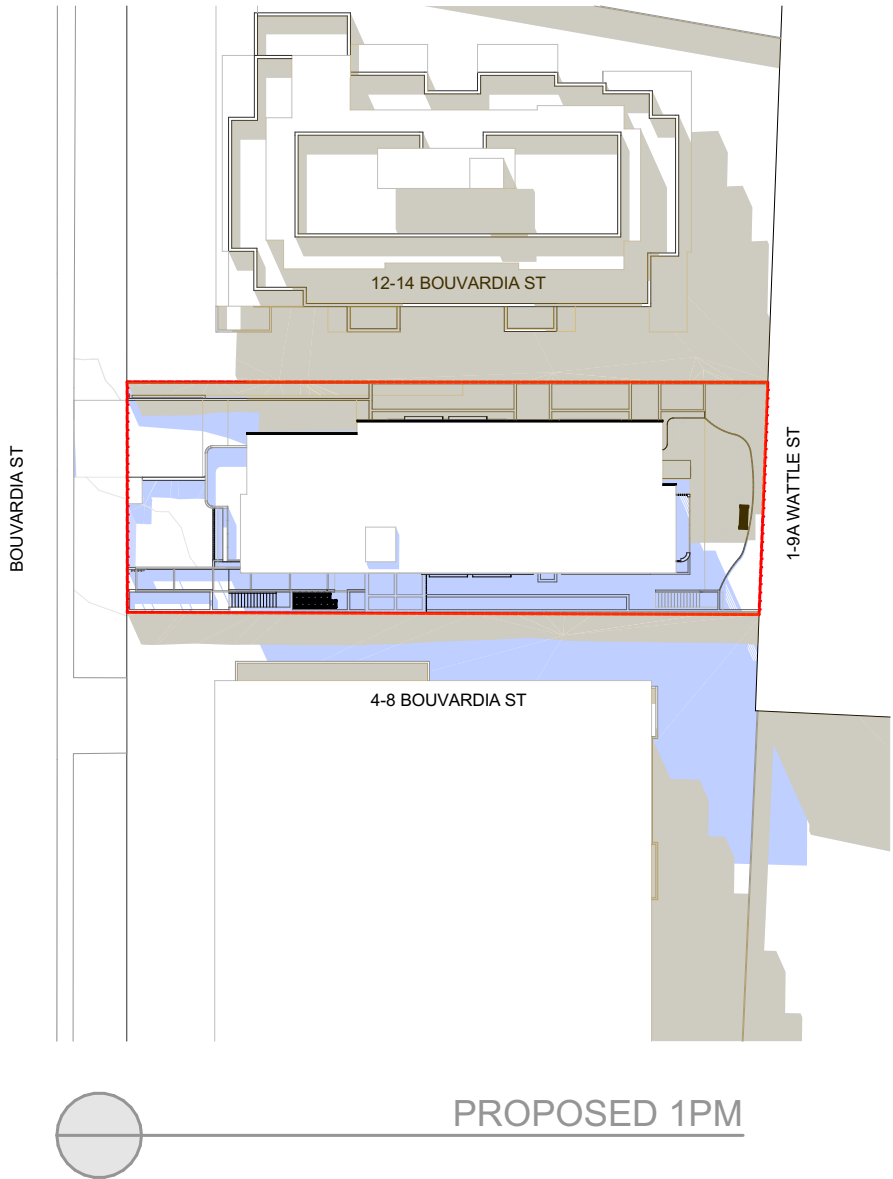
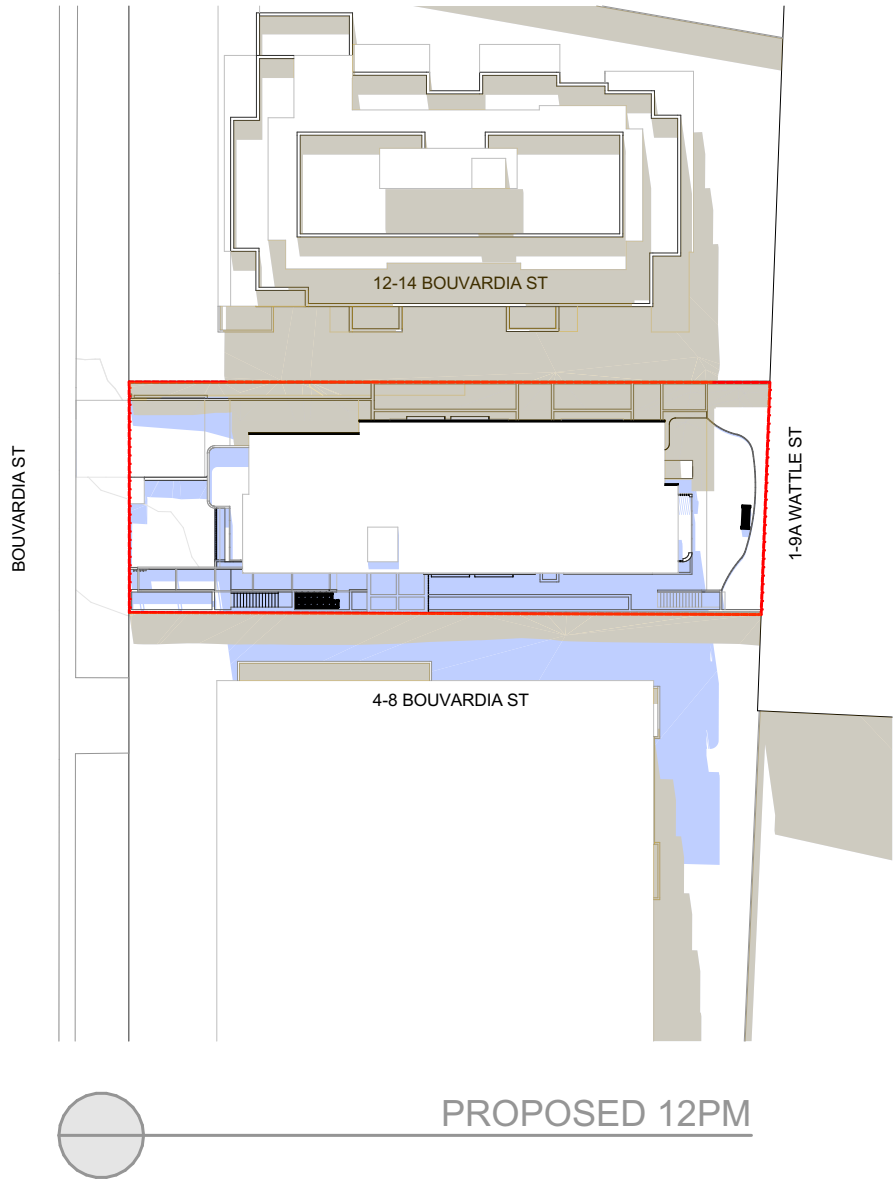


PROPOSED 10AM



PROPOSED 11AM

EXISTING SHADOWS  
PROPOSED SHADOWS



EXISTING SHADOWS

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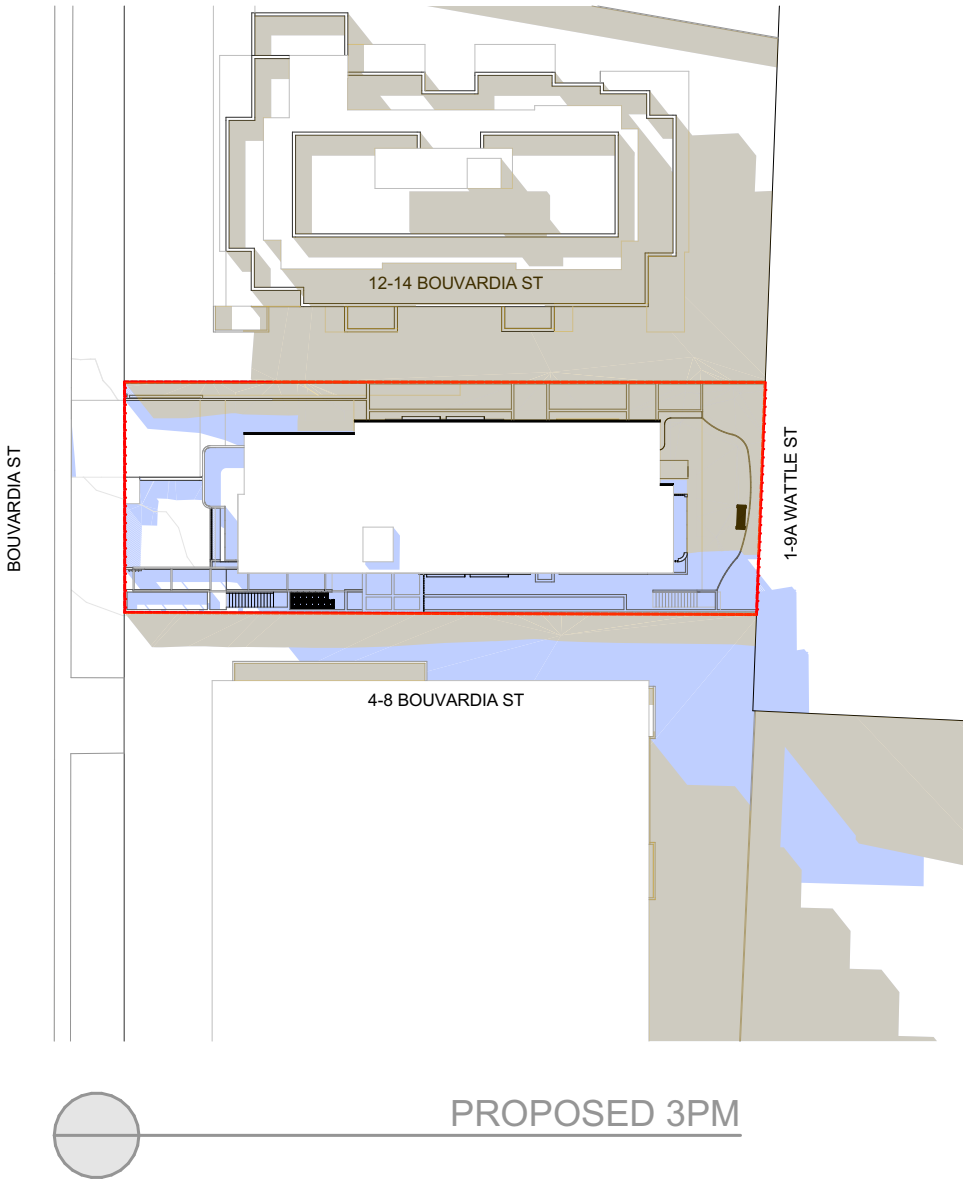
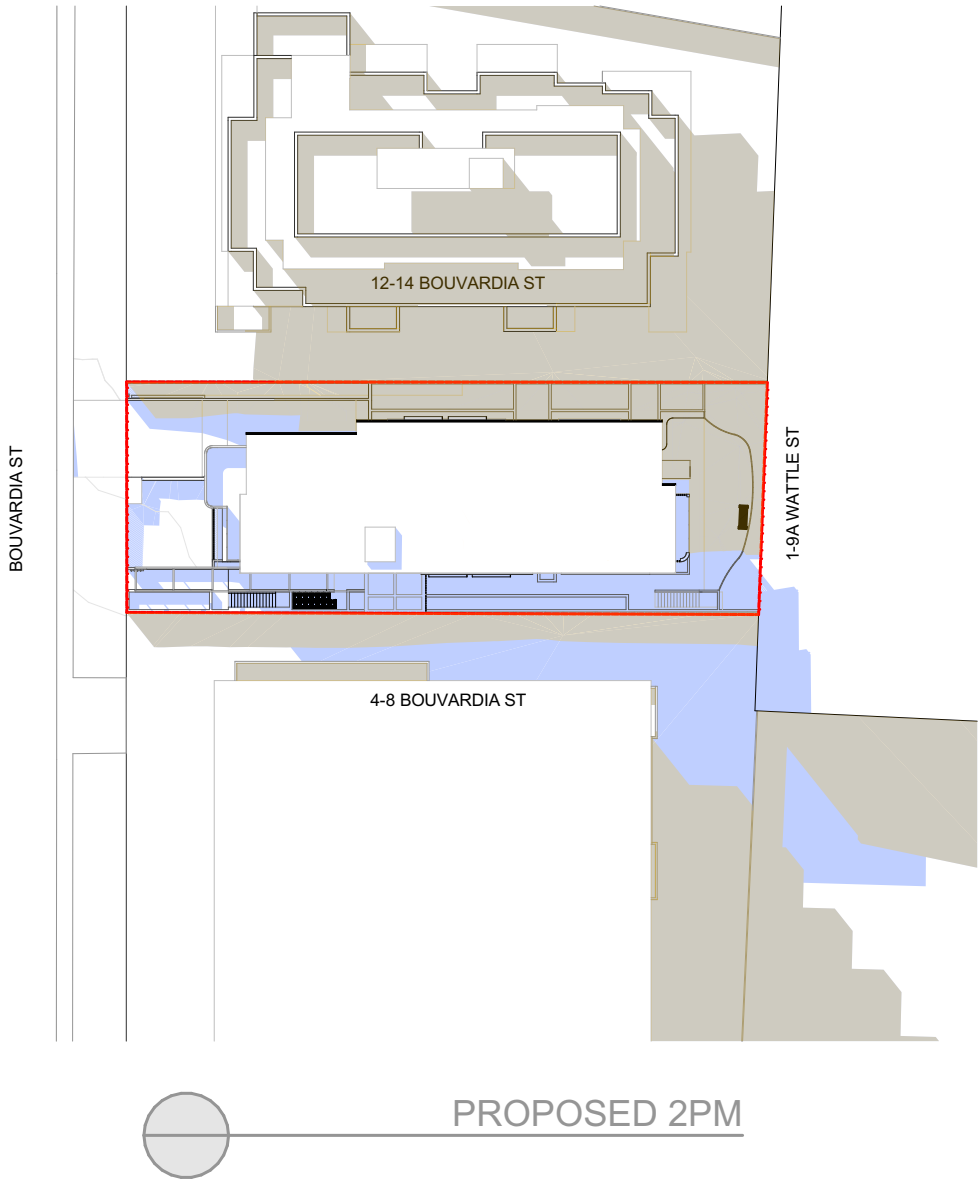
| AMENDMENTS |                  |     |            |
|------------|------------------|-----|------------|
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PROJECT  
**10 Bouvardia St Asquith NSW**  
**2077**

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**22/14**

| DRAWING: SHADOW DIAGRAMS 12PM-1PM |               |                              |                    |
|-----------------------------------|---------------|------------------------------|--------------------|
| DRAWN BY<br>J.E                   | SCALE:<br>@A3 | DRAWING NO.:<br><b>A4102</b> | ISSUE:<br><b>F</b> |
| CHECKED BY<br>D.M                 |               |                              |                    |





EXISTING SHADOWS

PROPOSED SHADOWS



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**2077**  
PROJECT NO.  
**22/14**

DRAWING:  
**SHADOW DIAGRAMS 2PM-3PM**  
DRAWN BY  
J.E  
CHECKED BY  
D.M  
SCALE:  
@A3  
DRAWING NO.:  
**A4103**  
ISSUE:  
**F**