



1 9am  
22nd June



2 10am  
22nd June



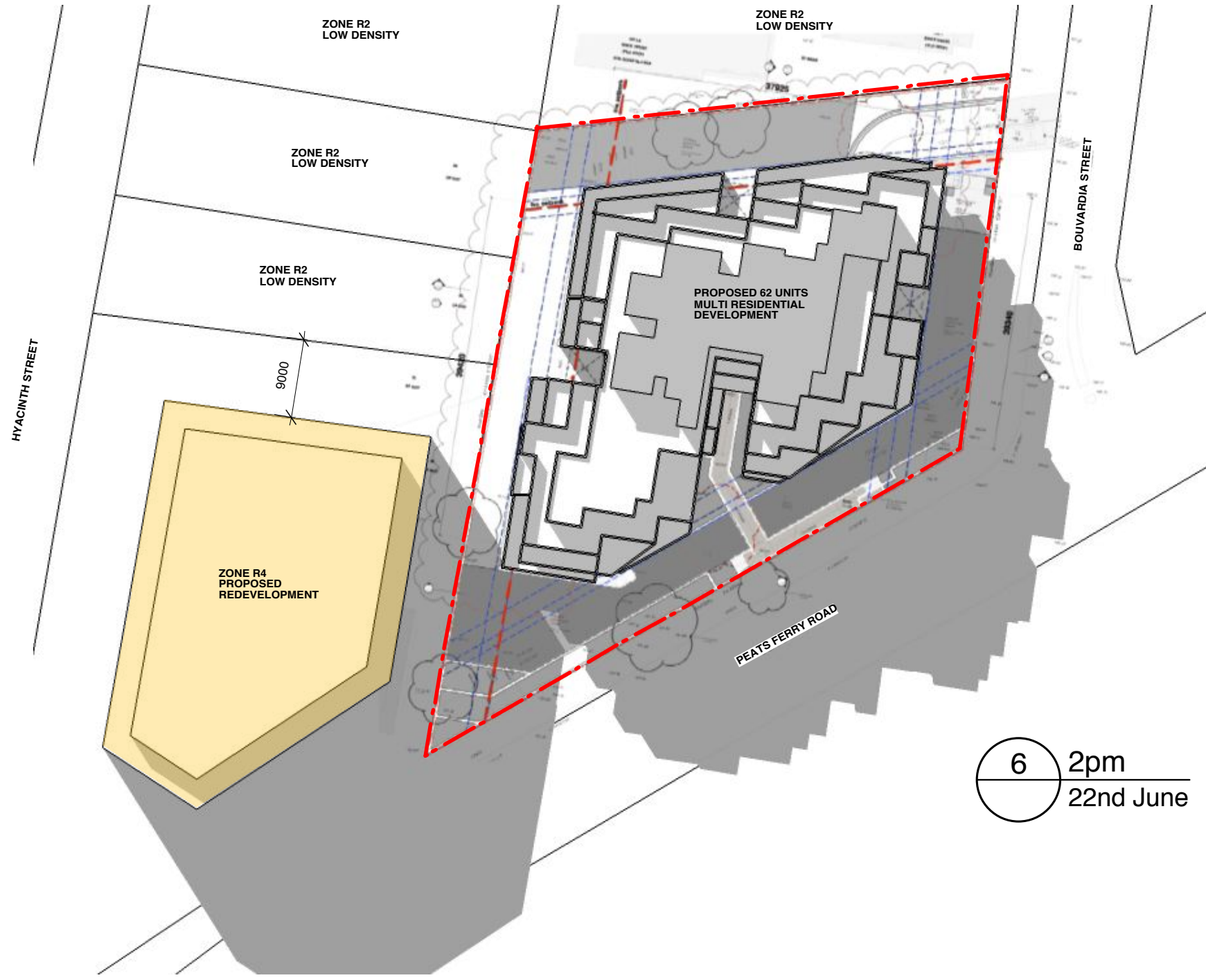
3 11am  
22nd June



4 12pm  
22nd June



5 1pm  
22nd June

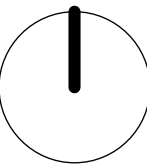


6 2pm  
22nd June



7 3pm  
22nd June

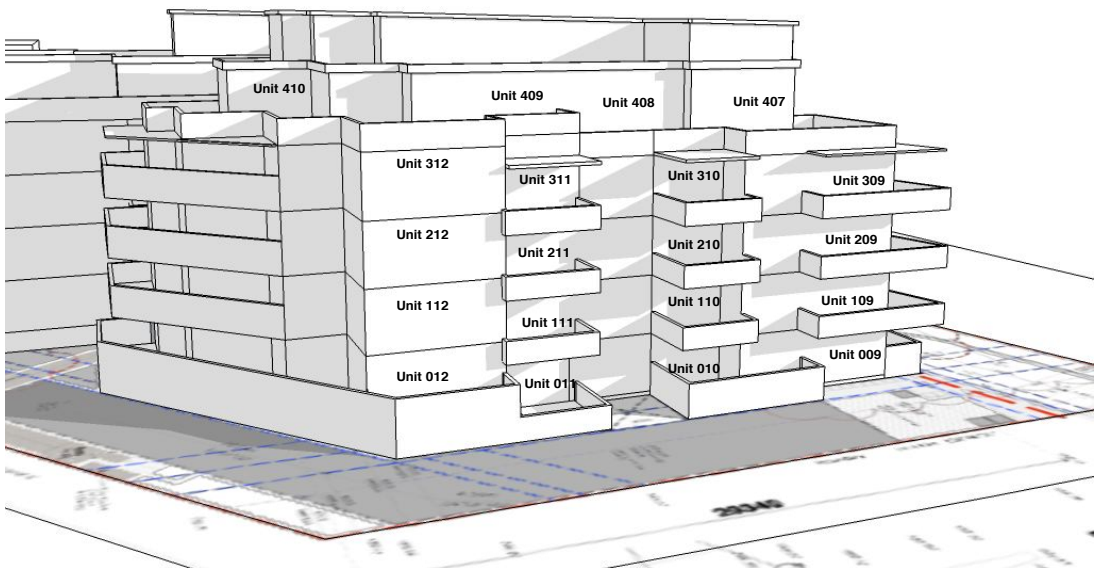
**NOTE:**  
Shadows diagrams incorporating indicative 5 storey building envelopes on adacent R4 sites



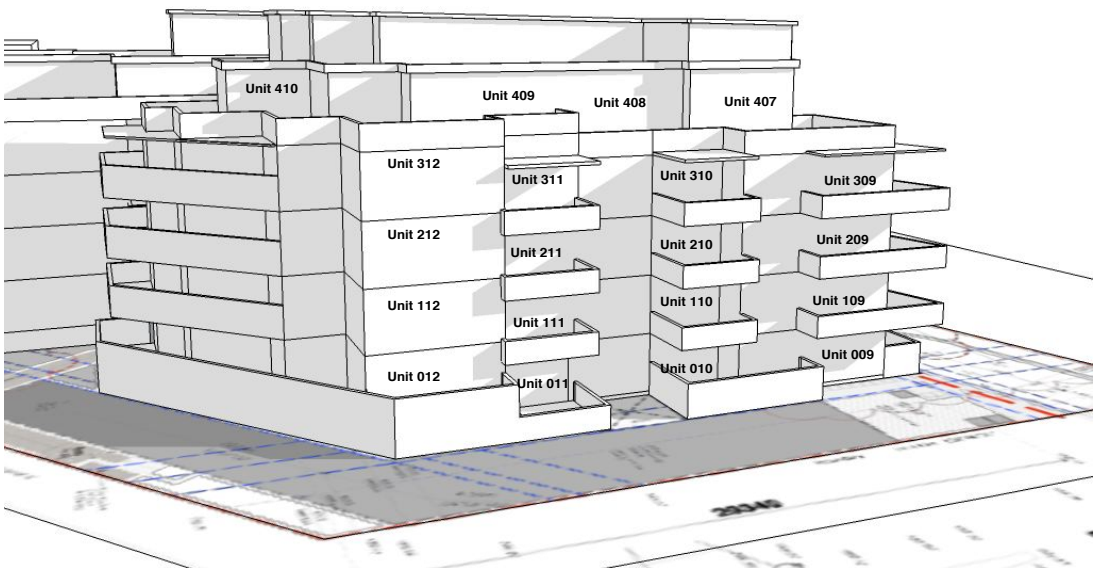
|                                       |                                   |                                       |                  |
|---------------------------------------|-----------------------------------|---------------------------------------|------------------|
| B<br>A                                | 24/6/16                           | Shadow diagrams updated               |                  |
|                                       | 6/10/15                           | DA Submission                         |                  |
| ISSUE                                 | DATE                              | REVISION                              |                  |
| PROJECT Multi Residential Development |                                   |                                       |                  |
| ADDRESS                               |                                   | 325-327 & 331 Peats Ferry Rd, Asquith | PROJECT # 15002  |
| CLIENT                                | Max Lucas                         |                                       | DATE # July 2015 |
| DWG                                   | Winter Solstice 21st June Shadows |                                       | SCALE NTS        |
|                                       |                                   |                                       | DRAWN JH         |
|                                       |                                   |                                       | CHKD JH          |
|                                       |                                   | REVISION                              | B                |

JHArchitects

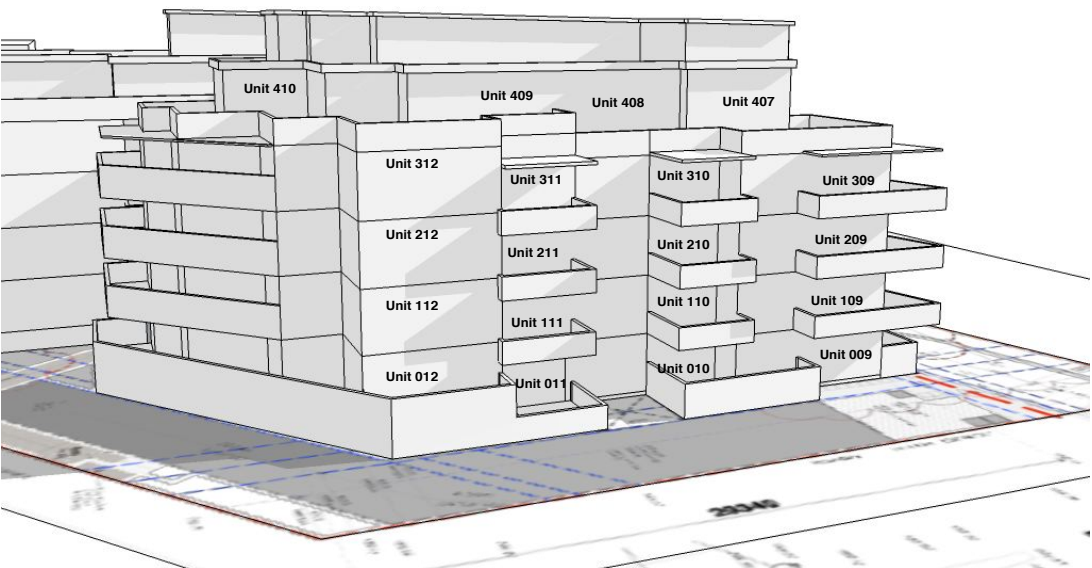
Suite 303, 4 Columbia Court  
Baulkham Hills NSW 2153  
M: 0412 287 606



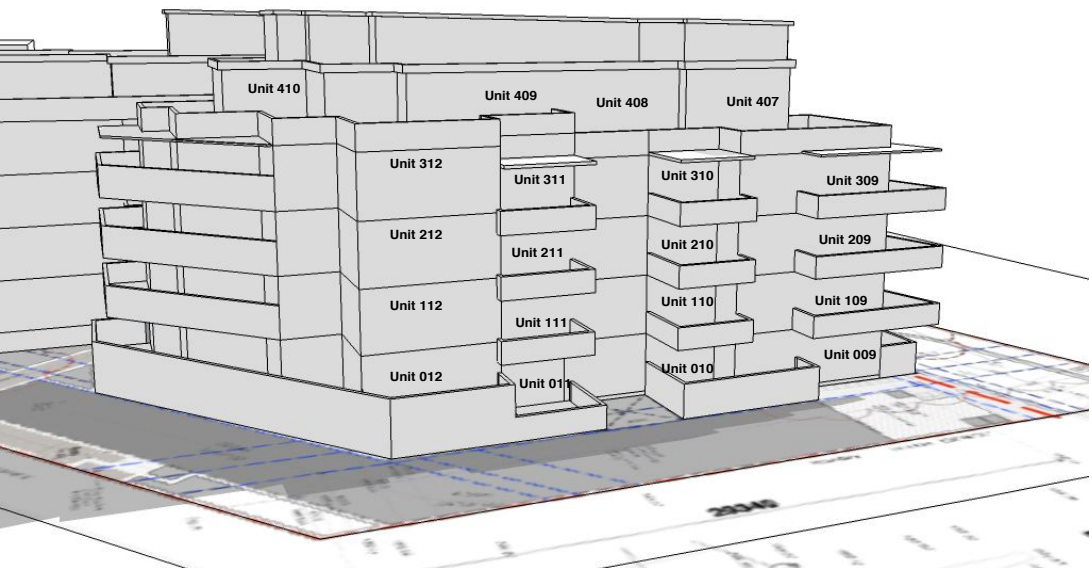
9am



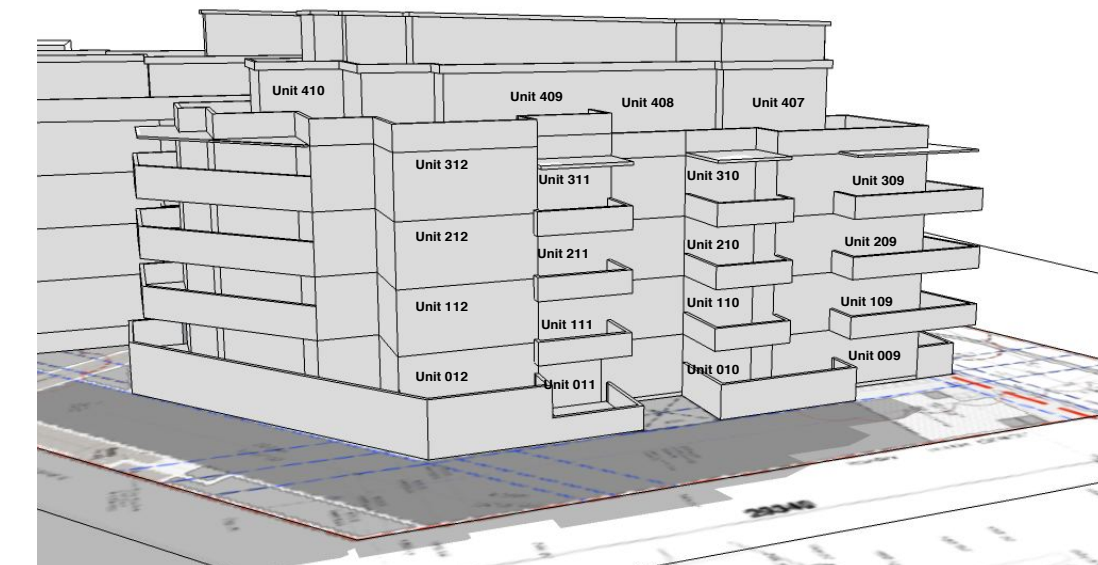
10am



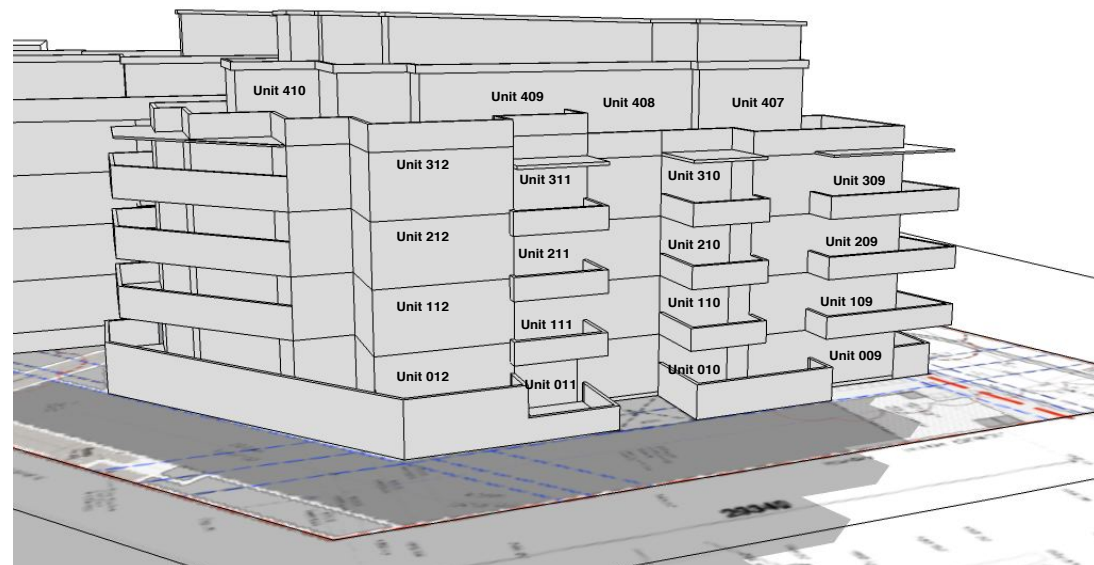
11am



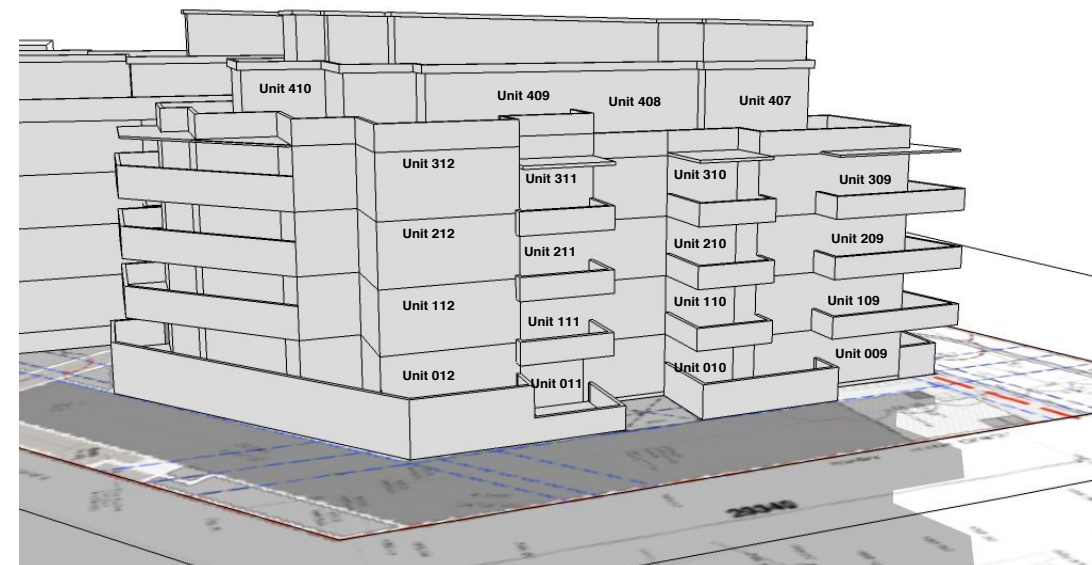
12pm



1pm



2pm



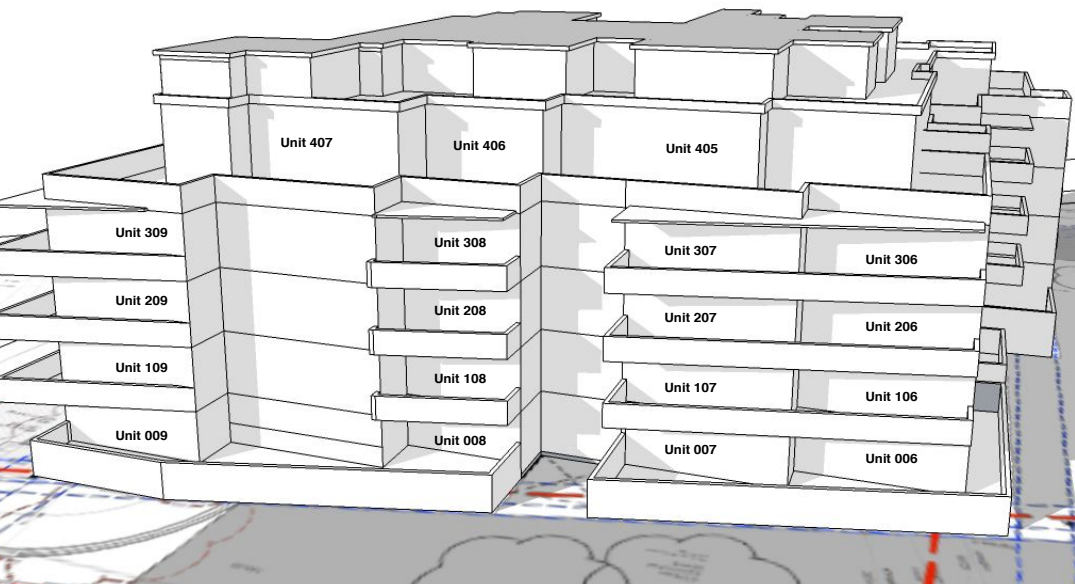
3pm

Locality Plan

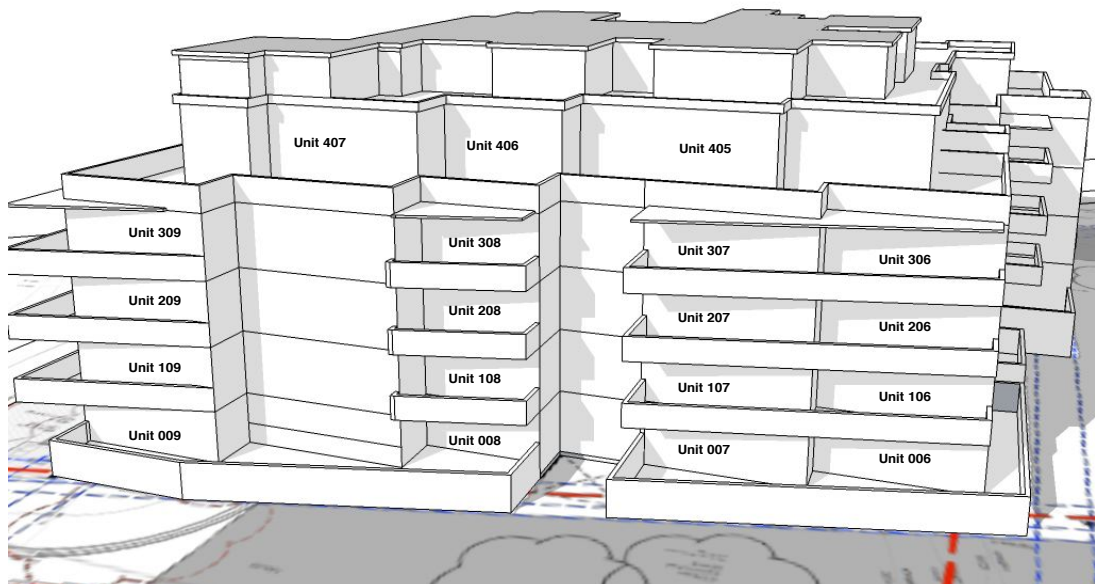


## 1 9am - 3pm (East Facade) 22nd June

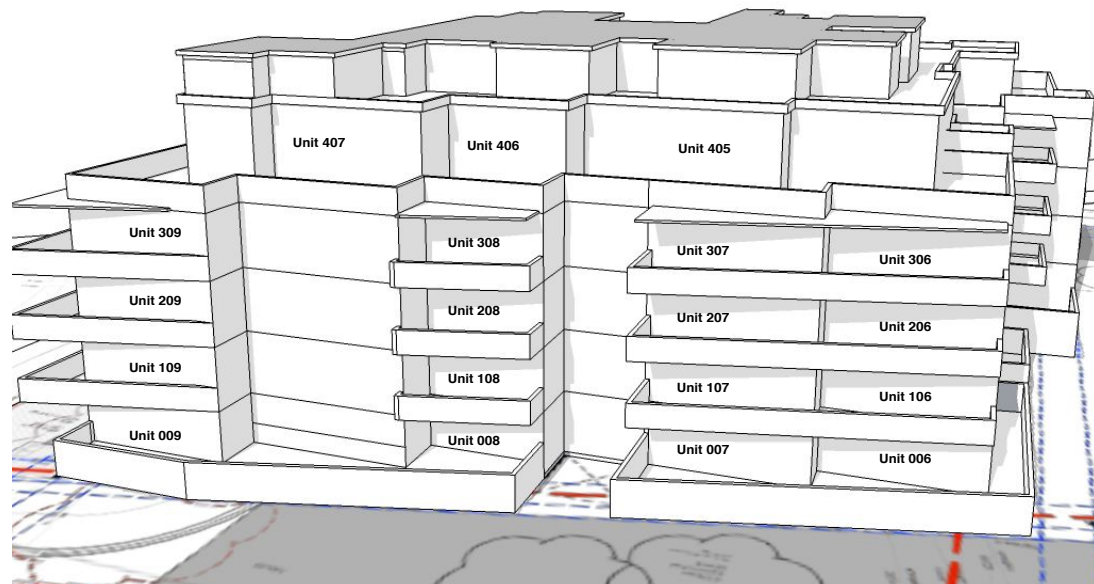
NOTE:  
Shadows diagrams incorporating indicative 5 storey building envelopes on adjacent F4 sites



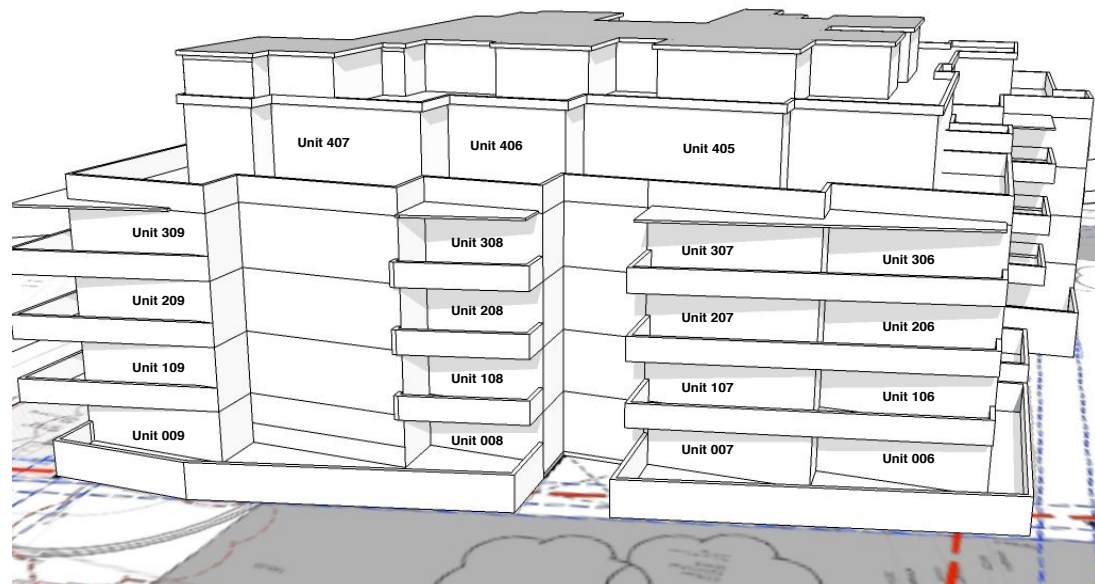
9am



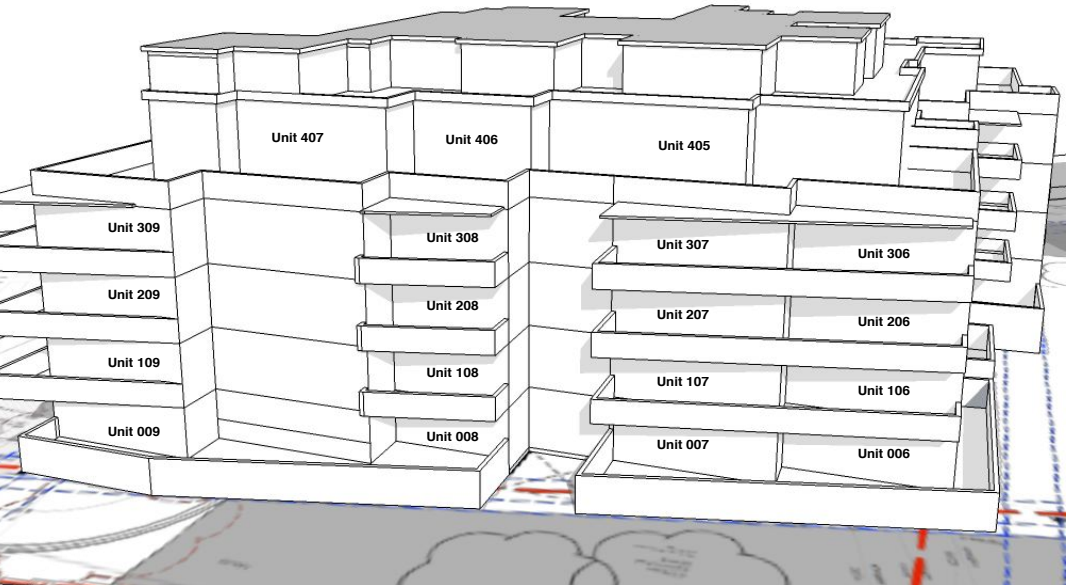
10am



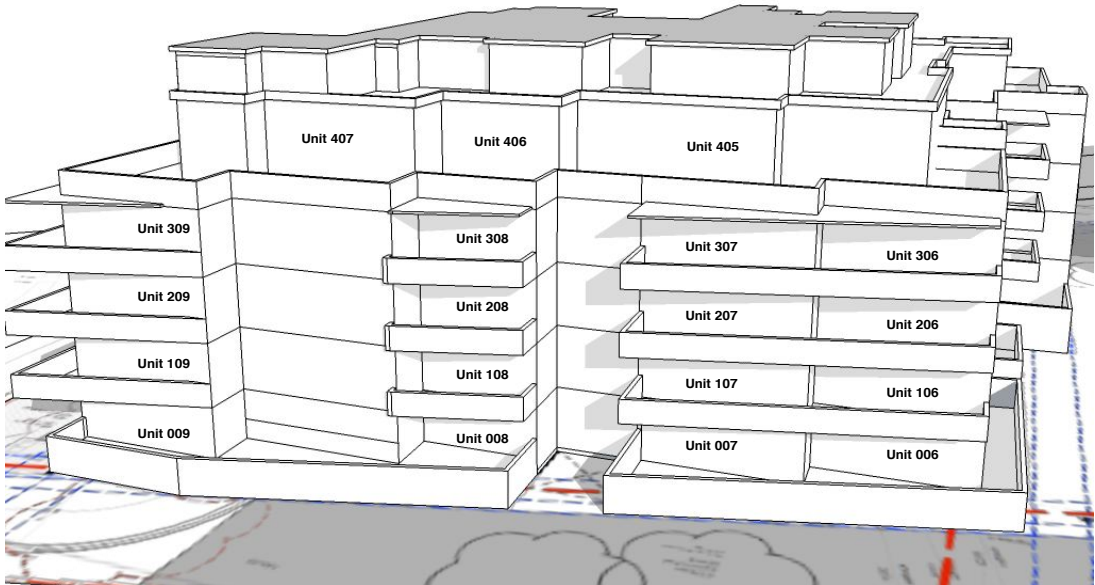
11am



12pm



1pm



2pm



3pm

Locality Plan



## 2 9am - 3pm (North Facade) 22nd June

NOTE:  
Shadows diagrams incorporating indicative 5 storey building envelopes on adjacent F4 sites

325-327 331 Peats Ferry Rd, Asquith  
Daylight Study - Between 9am and 3pm - 22nd June

| Apartment Number         | Start time of Daylight access |       | End of Daylight access |      | Total Hours of Daylight access | Min 2 hours daylight |        |
|--------------------------|-------------------------------|-------|------------------------|------|--------------------------------|----------------------|--------|
|                          | AM                            | PM    | AM                     | PM   |                                | YES                  | NO     |
| 001                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 002                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 003                      | -                             | 1:00  | -                      | 3:00 | 2h                             | 1                    | 1      |
| 004                      | 11:30                         | -     | 3:00                   | -    | 3h 30m                         | 1                    | 1      |
| 005                      | -                             | 12:00 | -                      | 3:00 | 3h                             | 1                    | 1      |
| 006                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 007                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 008                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 009                      | 9:00                          | -     | 9:20                   | -    | 20min                          | 1                    | 1      |
| 010                      | 9:00                          | -     | 10:00                  | -    | 1                              | 1                    | 1      |
| 011                      | 9:00                          | -     | 10:00                  | -    | 1                              | 1                    | 1      |
| 012                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 013                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 014                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 015                      | 10:50                         | -     | 11:15                  | -    | 25min                          | 1                    | 1      |
| 016                      | 11:30                         | 1:00  | -                      | 3:00 | 2h                             | 1                    | 1      |
| 017                      | 11:30                         | -     | 3:00                   | -    | 3h 30m                         | 1                    | 1      |
| 018                      | 11:30                         | 12:00 | -                      | 3:00 | 3h                             | 1                    | 1      |
| 019                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 020                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 021                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 022                      | 9:00                          | -     | 9:20                   | -    | 20min                          | 1                    | 1      |
| 023                      | 9:00                          | -     | 10:00                  | -    | 1                              | 1                    | 1      |
| 024                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 025                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 026                      | 10:20                         | -     | 11:15                  | -    | 55min                          | 1                    | 1      |
| 027                      | -                             | 1:00  | -                      | 3:00 | 2h                             | 1                    | 1      |
| 028                      | 11:30                         | -     | 3:00                   | -    | 3h 30m                         | 1                    | 1      |
| 029                      | -                             | 12:00 | -                      | 3:00 | 3h                             | 1                    | 1      |
| 030                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 031                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 032                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 033                      | 9:00                          | -     | 9:20                   | -    | 20min                          | 1                    | 1      |
| 034                      | 9:00                          | -     | 10:00                  | -    | 1                              | 1                    | 1      |
| 035                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 036                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 037                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 038                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 039                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 040                      | 9:00                          | -     | 10:50                  | -    | 1h 50min                       | 1                    | 1      |
| 041                      | 9:00                          | -     | 11:00                  | -    | 2h                             | 1                    | 1      |
| 042                      | -                             | 12:00 | -                      | 2:30 | 2h 30min                       | 1                    | 1      |
| Total                    |                               |       |                        |      | 43.9                           | 19                   | 19     |
| Percentage of Apartments |                               |       |                        |      |                                | 70.00%               | 30.00% |

1. Total Hours of Daylight access to living rooms measured between 9am and 3pm on the 22nd June  
2. Measured using the primary glazed opening of living areas. Secondary windows included if required to achieve minimum daylight hours.  
3. Measured using a Solar Chart at a Latitude of 35° South

43.4 req (70%)

| Apartment Number         | Start time of Daylight access |       | End of Daylight access |      | Total Hours of Daylight access | Min 2 hours daylight |        |
|--------------------------|-------------------------------|-------|------------------------|------|--------------------------------|----------------------|--------|
|                          | AM                            | PM    | AM                     | PM   |                                | YES                  | NO     |
| 001                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 002                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 003                      | -                             | 1:00  | -                      | 3:00 | 2h                             | 1                    | 1      |
| 004                      | 11:30                         | -     | 3:00                   | -    | 3h 30m                         | 1                    | 1      |
| 005                      | -                             | 12:00 | -                      | 3:00 | 3h                             | 1                    | 1      |
| 006                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 007                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 008                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 009                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 010                      | 9:00                          | -     | 9:20                   | -    | 20min                          | 1                    | 1      |
| 011                      | 9:00                          | -     | 10:00                  | -    | 1                              | 1                    | 1      |
| 012                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 013                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 014                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 015                      | 10:50                         | -     | 11:15                  | -    | 25min                          | 1                    | 1      |
| 016                      | 11:30                         | 1:00  | -                      | 3:00 | 2h                             | 1                    | 1      |
| 017                      | 11:30                         | -     | 3:00                   | -    | 3h 30m                         | 1                    | 1      |
| 018                      | 11:30                         | 12:00 | -                      | 3:00 | 3h                             | 1                    | 1      |
| 019                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 020                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 021                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 022                      | 9:00                          | -     | 9:20                   | -    | 20min                          | 1                    | 1      |
| 023                      | 9:00                          | -     | 10:00                  | -    | 1                              | 1                    | 1      |
| 024                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 025                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 026                      | 10:20                         | -     | 11:15                  | -    | 55min                          | 1                    | 1      |
| 027                      | -                             | 1:00  | -                      | 3:00 | 2h                             | 1                    | 1      |
| 028                      | 11:30                         | -     | 3:00                   | -    | 3h 30m                         | 1                    | 1      |
| 029                      | -                             | 12:00 | -                      | 3:00 | 3h                             | 1                    | 1      |
| 030                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 031                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 032                      | 9:00                          | -     | 3:00                   | -    | 6h                             | 1                    | 1      |
| 033                      | 9:00                          | -     | 9:20                   | -    | 20min                          | 1                    | 1      |
| 034                      | 9:00                          | -     | 10:00                  | -    | 1                              | 1                    | 1      |
| 035                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 036                      | -                             | -     | -                      | -    | 0                              | 1                    | 1      |
| 037                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 038                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 039                      | 9:00                          | -     | 11:00                  | -    | 2                              | 1                    | 1      |
| 040                      | 9:00                          | -     | 10:50                  | -    | 1h 50min                       | 1                    | 1      |
| 041                      | 9:00                          | -     | 11:00                  | -    | 2h                             | 1                    | 1      |
| 042                      | -                             | 12:00 | -                      | 2:30 | 2h 30min                       | 1                    | 1      |
| Total                    |                               |       |                        |      | 43.9                           | 19                   | 19     |
| Percentage of Apartments |                               |       |                        |      |                                | 70.00%               | 30.00% |

1. Total Hours of Daylight access to living rooms measured between 9am and 3pm on the 22nd June  
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3. Measured using a Solar Chart at a Latitude of 35° South

43.4 req (70%)

B 25/7/16 Shadow spreadsheet revised  
A 24/6/16 Additional Information for council

ISSUE DATE REVISION

PROJECT Multi Residential Development

ADDRESS 325-327 & 331 Peats Ferry Rd, Asquith

PROJECT # 15002

CLIENT Max Lucas

DATE # July 2015

DWG # DA 801

DWG Winter Solstice 21st June Shadow study

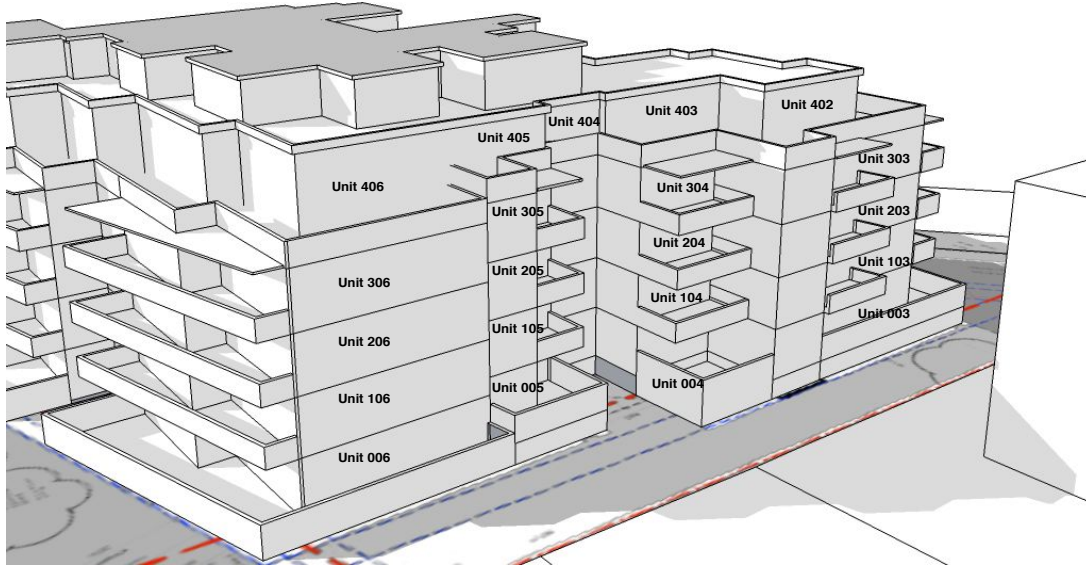
SCALE NTS

DRAWN JH

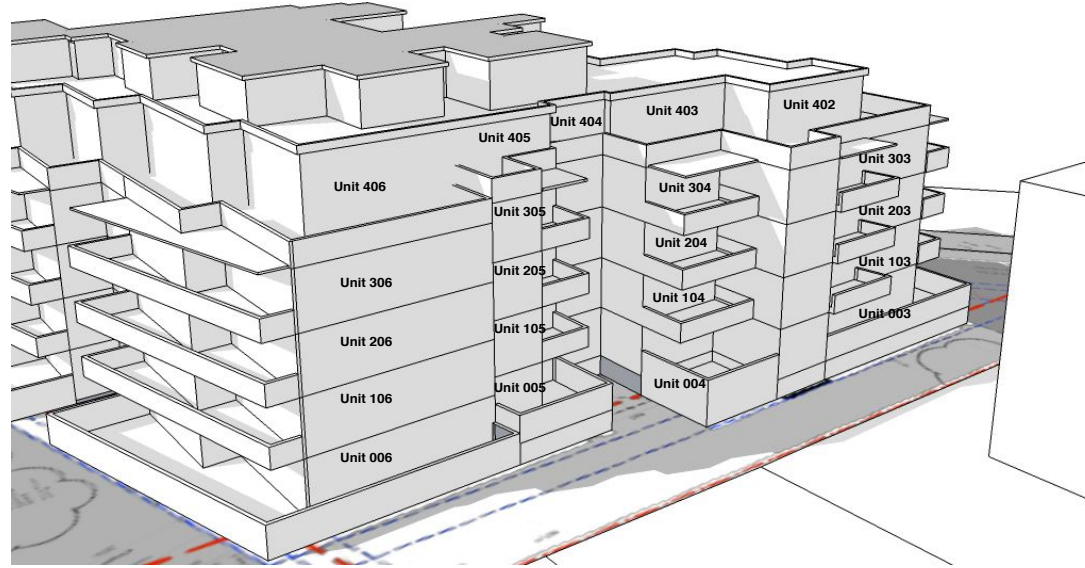
CHKD JH REVISION B

JHArchitects

Suite 303, 4 Columbia Court  
Baulkham Hills NSW 2153  
M: 0412 287 606



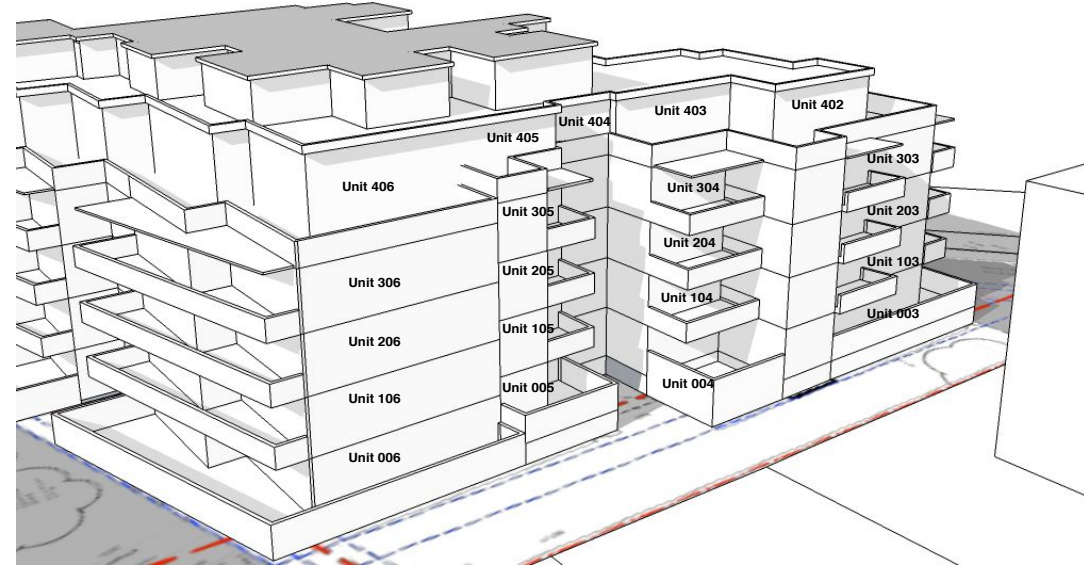
9am



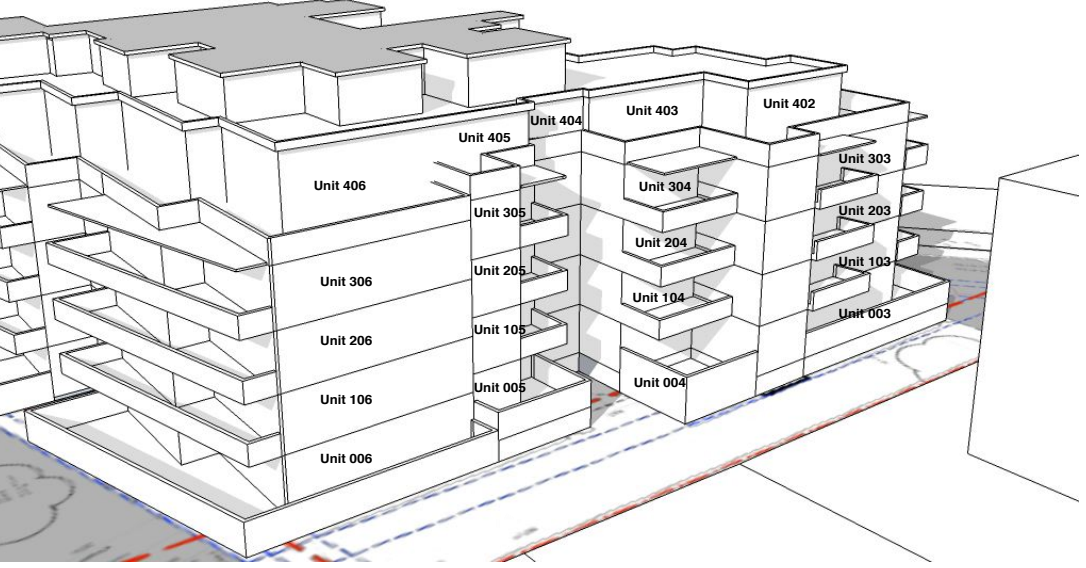
10am



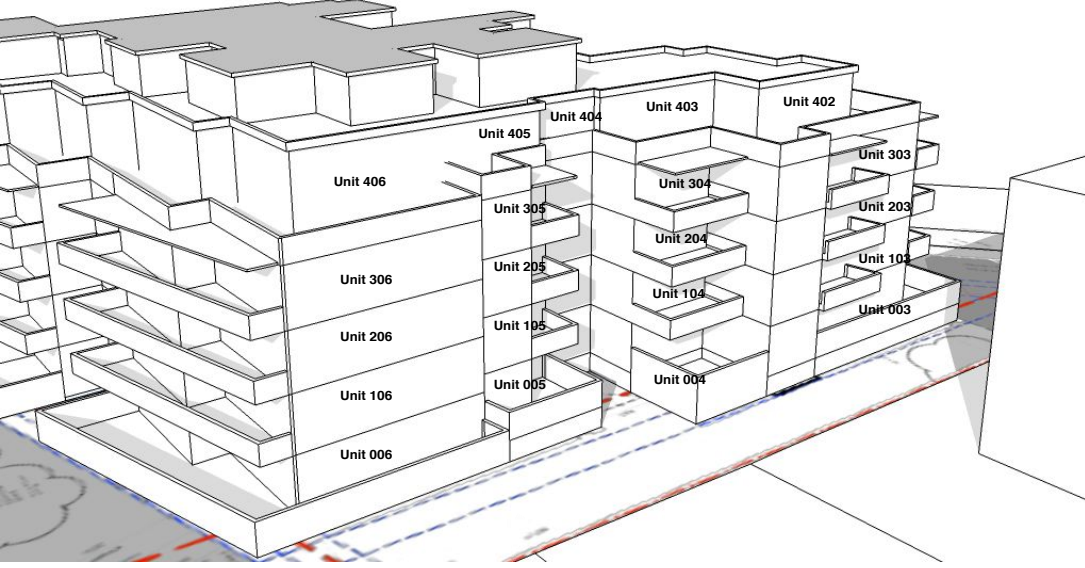
11am



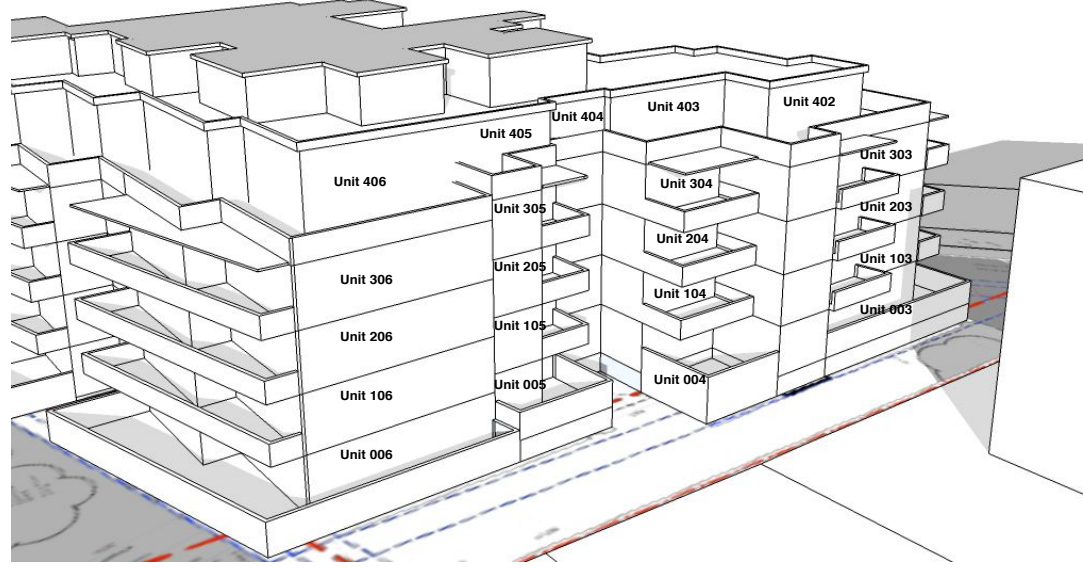
12pm



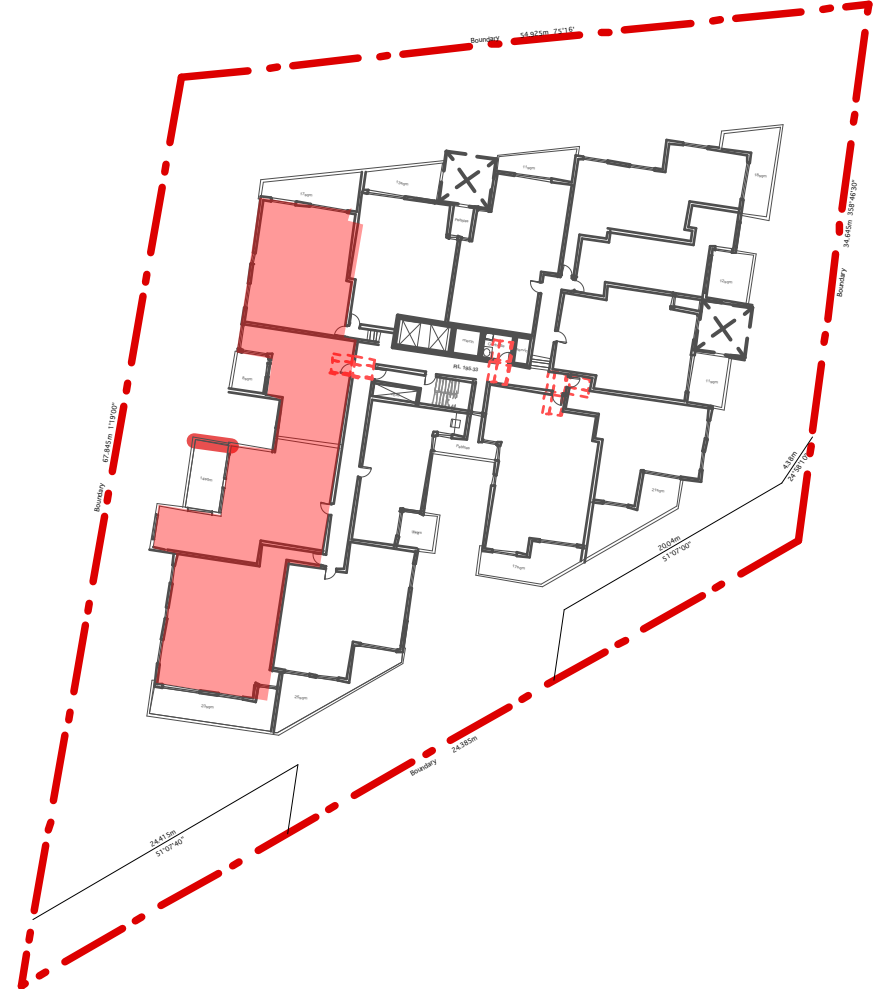
1pm



2pm



3pm



Locality Plan

3 9am - 3pm (West Facade)  
22nd June

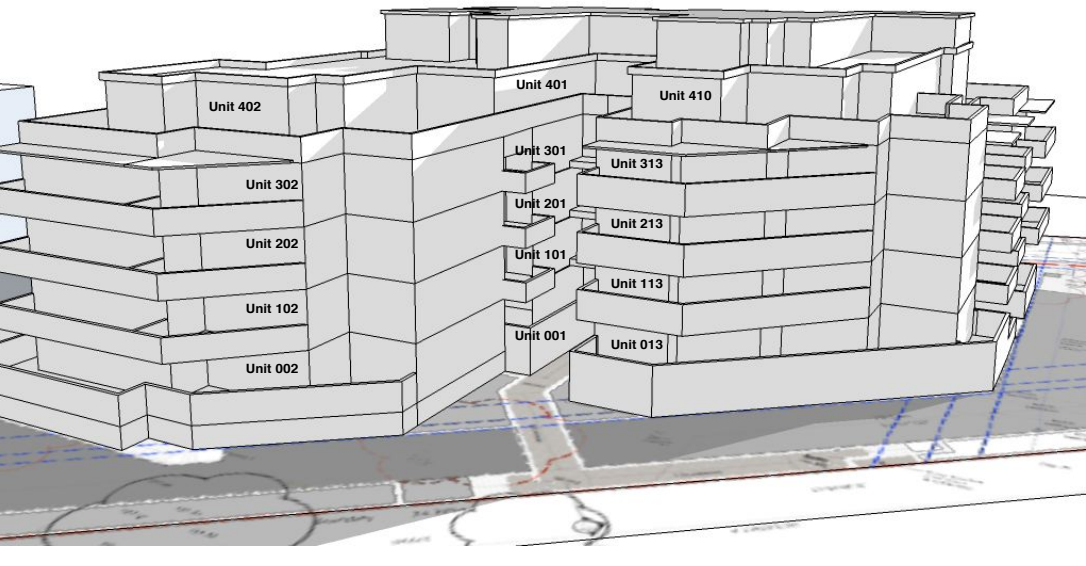
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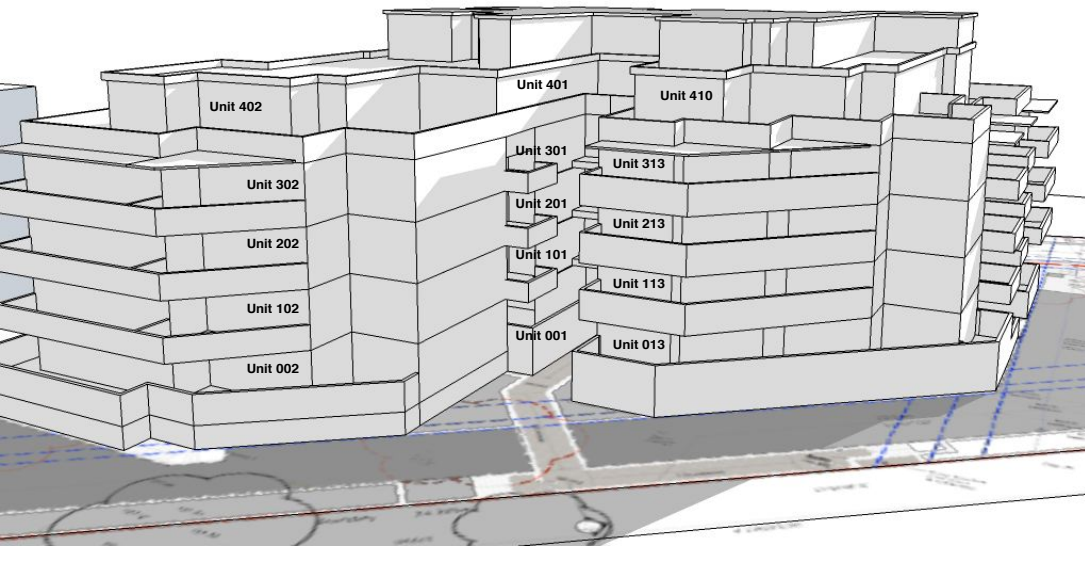
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| 001                      | -                             | -     | -                      | -    | 0                              |                      |        |
| 002                      | -                             | -     | -                      | -    | 0                              |                      |        |
| 003                      | -                             | 1.00  | -                      | 3.00 | 2h                             | 1                    | 1      |
| 004                      | 11.30                         | -     | -                      | 3.00 | 3h 30m                         | 1                    |        |
| 005                      | -                             | 12.00 | -                      | 3.00 | 3h                             | 1                    |        |
| 006                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 007                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 008                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 009                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 010                      | 9.00                          | -     | 9.20                   | -    | 20min                          |                      |        |
| 011                      | 9.00                          | -     | 10.00                  | -    | 2                              | 1                    |        |
| 012                      | 9.00                          | -     | 11.00                  | -    | 2                              | 1                    |        |
| 013                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 014                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 015                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 016                      | 10.50                         | -     | 11.15                  | -    | 25min                          |                      |        |
| 017                      | -                             | 1.00  | -                      | 3.00 | 2h                             | 1                    |        |
| 018                      | 11.30                         | -     | -                      | 3.00 | 3h 30m                         | 1                    |        |
| 019                      | -                             | 12.00 | -                      | 3.00 | 3h                             | 1                    |        |
| 020                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
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| 022                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 023                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 024                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 025                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 026                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 027                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 028                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 029                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 030                      | 9.00                          | -     | 9.20                   | -    | 20min                          |                      |        |
| 031                      | 9.00                          | -     | 10.00                  | -    | 2                              | 1                    |        |
| 032                      | 9.00                          | -     | 11.00                  | -    | 2                              | 1                    |        |
| 033                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 034                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 035                      | 10.20                         | -     | 11.15                  | -    | 55min                          |                      |        |
| 036                      | -                             | 1.00  | -                      | 3.00 | 2h                             | 1                    |        |
| 037                      | 11.30                         | -     | -                      | 3.00 | 3h 30m                         | 1                    |        |
| 038                      | -                             | 12.00 | -                      | 3.00 | 3h                             | 1                    |        |
| 039                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 040                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 041                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 042                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 043                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 044                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 045                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 046                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 047                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 048                      | 9.00                          | -     | 10.50                  | -    | 1h 50min                       |                      |        |
| 049                      | 9.00                          | -     | 11.00                  | -    | 2h                             | 1                    |        |
| 050                      | 9.00                          | 12.00 | -                      | 2.30 | 3h 30min                       | 1                    |        |
| Total                    |                               |       |                        |      |                                | 43                   | 19     |
| Percentage of Apartments |                               |       |                        |      |                                | 70.00%               | 30.00% |

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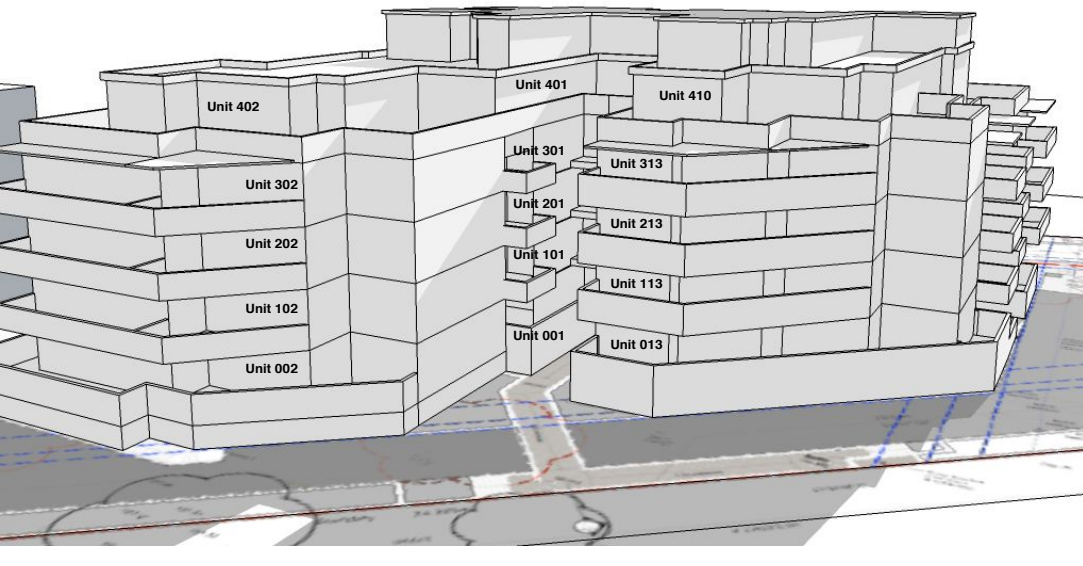
43.4 req (70%)



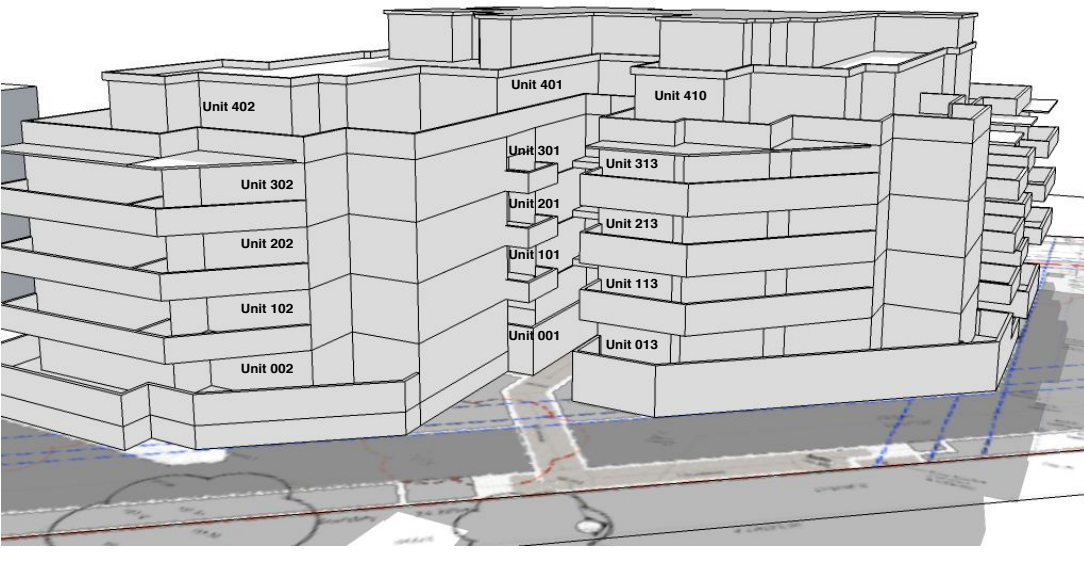
9am



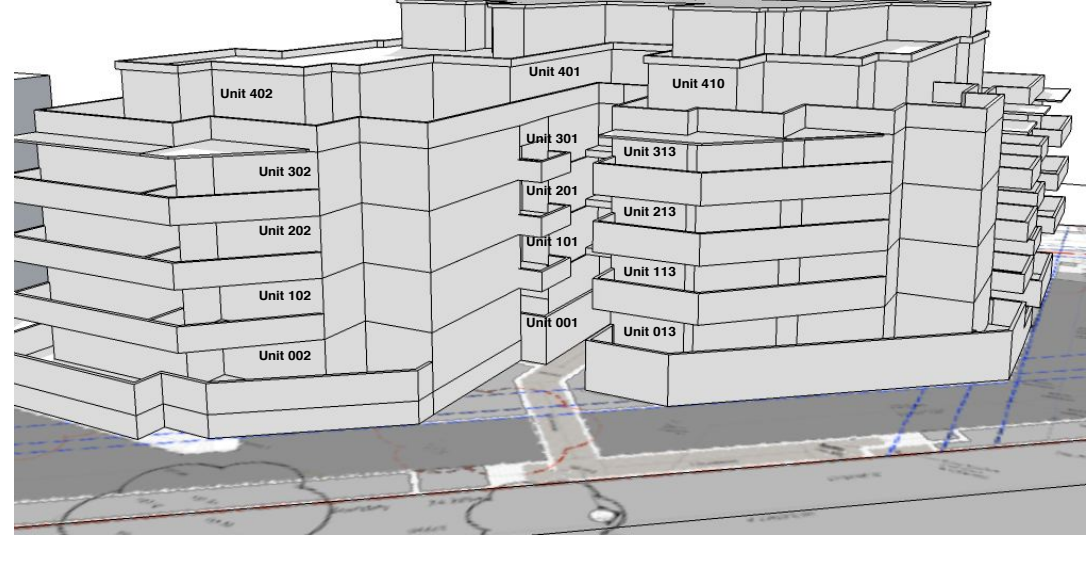
10am



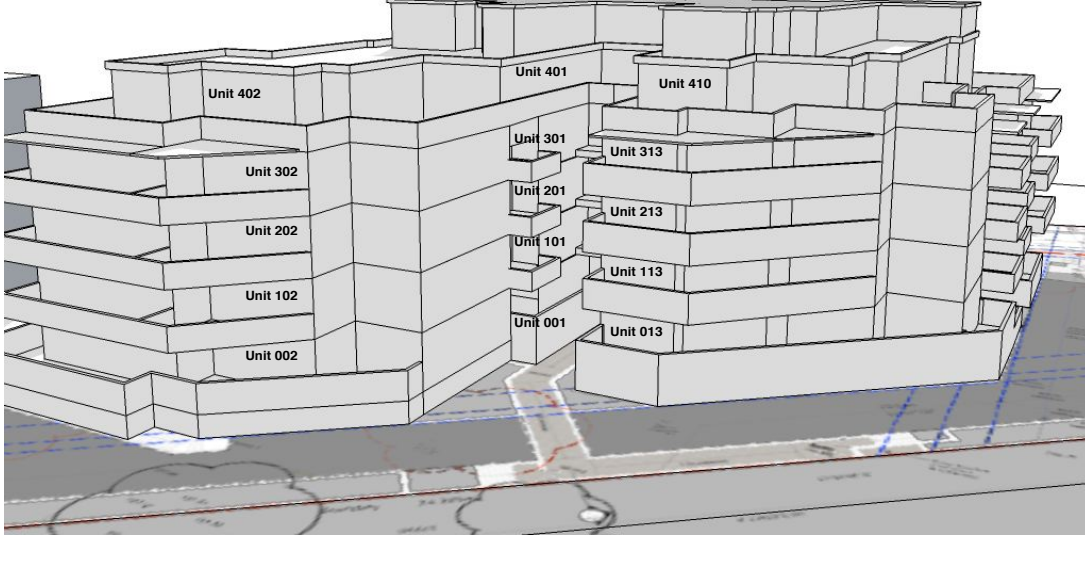
11am



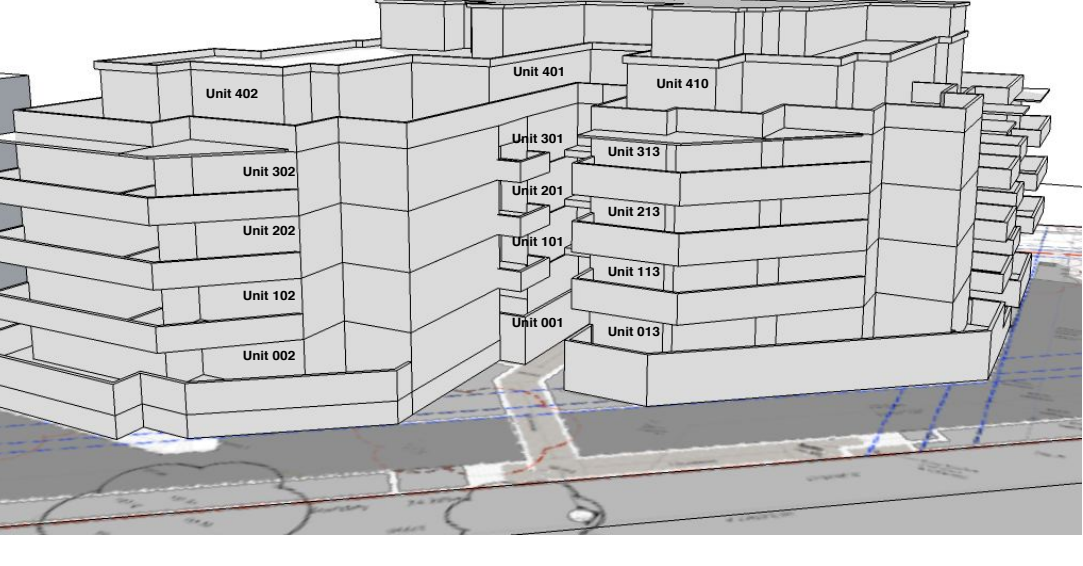
12pm



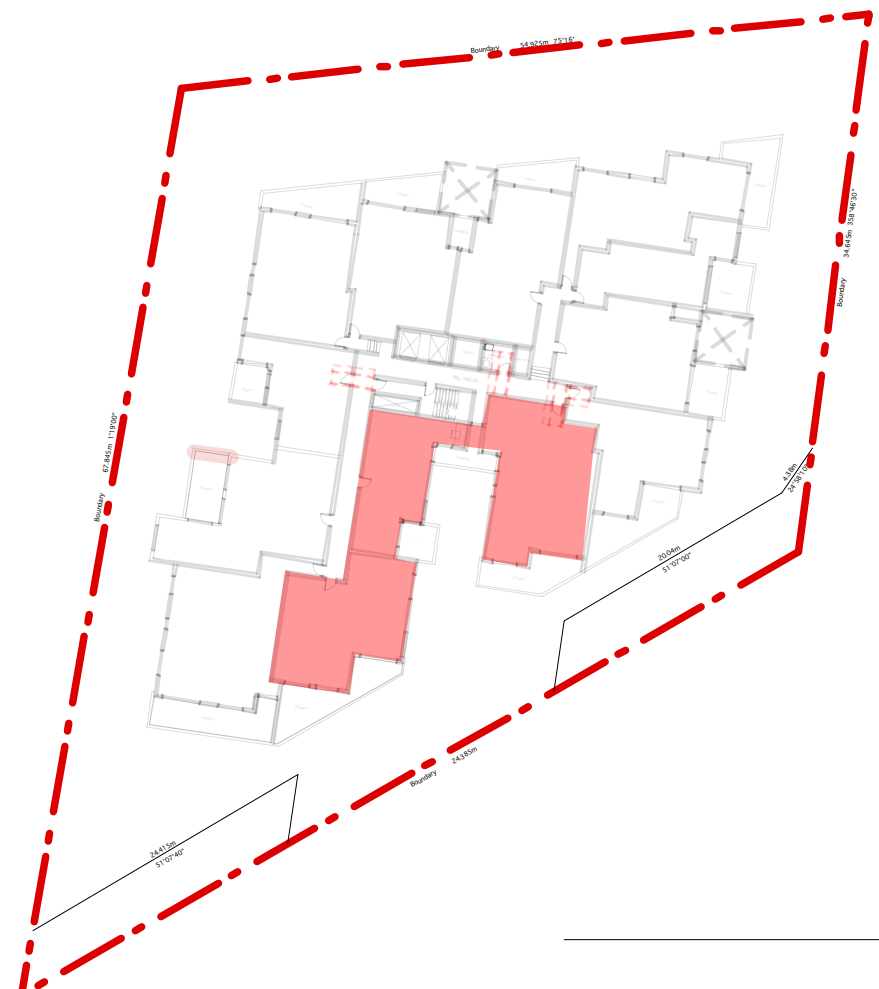
1pm



2pm



3pm



Locality Plan

4 9am - 3pm (South Facade)  
22nd June

NOTE:  
Shadows diagrams incorporating indicative 5 storey building envelopes on adjacent R4 sites

| Apartment Number         | Start time of Daylight access |       | End of Daylight access |      | Total Hours of Daylight access | Min 2 hours daylight |        |
|--------------------------|-------------------------------|-------|------------------------|------|--------------------------------|----------------------|--------|
|                          | AM                            | PM    | AM                     | PM   |                                | YES                  | NO     |
| 001                      | -                             | -     | -                      | -    | 0                              |                      |        |
| 002                      | -                             | -     | -                      | -    | 0                              |                      |        |
| 003                      | -                             | 1.00  | -                      | 3.00 | 2h                             | 1                    | 1      |
| 004                      | 11.30                         | -     | -                      | 3.00 | 3h 30m                         | 1                    |        |
| 005                      | -                             | 12.00 | -                      | 3.00 | 3h                             | 1                    |        |
| 006                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 007                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 008                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 009                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 010                      | 9.00                          | -     | 9.20                   | -    | 20min                          |                      |        |
| 011                      | 9.00                          | -     | 10.00                  | -    | 2                              | 1                    |        |
| 012                      | 9.00                          | -     | 11.00                  | -    | 2                              | 1                    |        |
| 013                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 014                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 015                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 016                      | 10.50                         | -     | 11.15                  | -    | 25min                          |                      |        |
| 017                      | -                             | 1.00  | -                      | 3.00 | 2h                             | 1                    |        |
| 018                      | 11.30                         | -     | -                      | 3.00 | 3h 30m                         | 1                    |        |
| 019                      | -                             | 12.00 | -                      | 3.00 | 3h                             | 1                    |        |
| 020                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 021                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 022                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 023                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 024                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 025                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 026                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 027                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 028                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 029                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 030                      | 9.00                          | -     | 9.20                   | -    | 20min                          |                      |        |
| 031                      | 9.00                          | -     | 10.00                  | -    | 2                              | 1                    |        |
| 032                      | 9.00                          | -     | 11.00                  | -    | 2                              | 1                    |        |
| 033                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 034                      | -                             | -     | -                      | -    | 0                              |                      | 1      |
| 035                      | 10.20                         | -     | 11.15                  | -    | 55min                          |                      |        |
| 036                      | -                             | 1.00  | -                      | 3.00 | 2h                             | 1                    |        |
| 037                      | 11.30                         | -     | -                      | 3.00 | 3h 30m                         | 1                    |        |
| 038                      | -                             | 12.00 | -                      | 3.00 | 3h                             | 1                    |        |
| 039                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 040                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 041                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 042                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 043                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 044                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 045                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 046                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 047                      | 9.00                          | -     | -                      | 3.00 | 6h                             | 1                    |        |
| 048                      | 9.00                          | -     | 10.50                  | -    | 1h 50min                       |                      |        |
| 049                      | 9.00                          | -     | 11.00                  | -    | 2h                             | 1                    |        |
| 050                      | 9.00                          | 12.00 | -                      | 2.30 | 3h 30min                       | 1                    |        |
| Total                    |                               |       |                        |      |                                | 43                   | 19     |
| Percentage of Apartments |                               |       |                        |      |                                | 70.00%               | 30.00% |

1. Total Hours of Daylight access to living rooms measured between 9am and 3pm on the 22nd June  
2. Measured using the primary glazed opening of living areas. Secondary windows included if required to achieve minimum daylight hours.  
3. Measured using a Solar Chart at a Latitude of 35° South

43.4 req (70%)

B 25/7/16 Shadow spreadsheet revised & additional shadows added  
A 24/6/16 Additional Information for council  
ISSUE DATE REVISION  
PROJECT Multi Residential Development  
ADDRESS 325-327 & 331 Peats Ferry Rd, Asquith  
CLIENT Max Lucas  
DWG Winter Solstice 21st June Shadow study

JHArchitects  
Suite 303, 4 Columbia Court  
Baulkham Hills NSW 2153  
M: 0412 287 606

PROJECT # 15002  
DATE # July 2015  
SCALE NTS  
DRAWN JH  
CHKD JH  
DWG # DA 802  
REVISION B