

DEVELOPMENT APPLICATION  
FOR PROPOSED SHOP-TOP HOUSING DEVELOPMENT  
1010 - 1014 PITTWATER ROAD COLLARROY NSW 2097



- THERMAL COMFORT COMMITMENTS**
- METAL ROOF (MEDIUM COLOUR) WITH 70MM FOIL LINED BLANKET.
  - R3.0 INSULATION TO ALL CEILINGS ADJACENT TO METAL ROOF.
  - REFLECTIVE SARKING + 50MM EXTRUDED POLYSTYRENE INSULATION TO CEILINGS ADJACENT TO CONCRETE ROOF.
  - ALL EXTERNAL WALLS TO INCLUDE R2.5 INSULATION.
  - 200MM CONCRETE SLAB FLOORS ALL LEVELS.
  - UNITS 1 & 7-12 TO INCLUDE R1.5 INSULATION TO FLOOR ADJACENT TO CARPARK.
  - W7.02,W10.02,W12.02,W12.03,W14.01,W14.06,W15.01,W15.03,W17.01,W19.01,W19.02,W20.01,W20.02, W21.01,W21.02 & ALL GLASS BLOCKS DG U=4.8 SHGC=0.59 +/-10%.
  - ALL OTHER WINDOWS AL/SG U=6.7 SHGC=0.57 +/-10% (AWNING) SHGC=0.7 +/-10% (SLIDING/FIXED).
  - ALL SKYLIGHTS VELUX FIXED U=2.7 SHGC=0.24 +/-5%.
  - ALL EXHAUST FANS SEALED.
  - ALL RECESSED DOWNLIGHTS SEALED AND TO ALLOW FOR UNINTERRUPTED CEILING INSULATION.
  - CEILING FANS TO LIVING & BEDROOMS FOR ALL LEVEL 2 & 3 UNITS (MINIMUM 1200MM DIAMETER).

- WALL TYPES LEGEND**
- A1 - LIGHT-WEIGHT EXTERNAL WALL**
- FIBRE CEMENT WEATHERBOARD CLADDING
  - 50 MM BATTEN
  - VAPOUR PERMEABLE SARKING
  - 16 MM THICK FIRE AND WATER-RESISTANT PLASTERBOARD
  - 92 MM STEEL STUD
  - GLASS WOOL INSULATION R = 2.5
  - 16 MM THICK FIRE-RESISTANT PLASTERBOARD
- A2 - STRUCTURAL EXTERNAL WALL WITH FRL**
- FIBRE CEMENT CLADDING
  - 50 MM BATTEN
  - VAPOUR PERMEABLE SARKING
  - 150 MM THICK AFS CONCRETE WALL
  - 20 MM AIR GAP
  - 64 MM STEEL STUD
  - GLASS WOOL INSULATION R = 2.5
  - 13 MM THICK PLASTERBOARD
- A3 - STRUCTURAL WALL WITH FRL**
- FIBRE CEMENT CLADDING
  - 50 MM BATTEN
  - VAPOUR PERMEABLE SARKING
  - 150 MM THICK AFS CONCRETE WALL
  - VAPOUR PERMEABLE SARKING
  - 50 MM BATTEN
  - FIBRE CEMENT CLADDING

- B1 - INTERTENANCY WALL - NON-LOAD BEARING**
- 13 MM PLASTERBOARD
  - 35 MM CHANNEL
  - 50 MM BRADFORD ACOUSTIGARD 11 ACOUSTIC INSULATION
  - 75 MM HEBEL POWER PANEL
  - 20 MM MINIMUM AIR GAP
  - 64 MM STEEL STUD
  - 75 MM BRADFORD ACOUSTIGARD 11 ACOUSTIC INSULATION
  - 13 MM PLASTERBOARD
- B2 - INTERTENANCY WALL - LOAD BEARING**
- 13 MM PLASTERBOARD
  - 35 MM CHANNEL
  - 50 MM BRADFORD ACOUSTIGARD 11 ACOUSTIC INSULATION
  - 150 MM MINIMUM AFS CONCRETE WALL
  - 20 MM MINIMUM AIR GAP
  - 64 MM STEEL STUD
  - 75 MM BRADFORD ACOUSTIGARD 11 ACOUSTIC INSULATION
  - 13 MM PLASTERBOARD
- C1 - INTERNAL PARTITION WALL**
- 13 MM PLASTERBOARD
  - 64 MM STEEL STUD
  - 75 MM BRADFORD ACOUSTIGARD 11 ACOUSTIC INSULATION
  - 13 MM PLASTERBOARD

| UNIT SCHEDULE |           |             |              |                     |                               |
|---------------|-----------|-------------|--------------|---------------------|-------------------------------|
| UNIT No.      | UNIT TYPE | UNIT AREA   | SOLAR ACCESS | NATURAL VENTIALTION | ADAPTABLE / SILVER LEVEL UNIT |
| 01            | 2 BED     | 82.41       | SOLAR = NO   | VENT = YES          |                               |
| 02            | 2 BED     | 82.16       | SOLAR = NO   | VENT = YES          | SILVER LEVEL                  |
| 03            | 2 BED     | 85.34       | SOLAR = NO   | VENT = YES          | SILVER LEVEL                  |
| 04            | 2 BED     | 76.30       | SOLAR = YES  | VENT = YES          |                               |
| 05            | 1 BED + S | 73.98       | SOLAR = NO   | VENT = NO           |                               |
| 06            | 1 BED     | 75.01       | SOLAR = NO   | VENT = NO           | ADAPTABLE UNIT                |
| 07            | 1 BED     | 52.27       | SOLAR = NO   | VENT = NO           |                               |
| 08            | 1 BED     | 67.32       | SOLAR = YES  | VENT = NO           |                               |
| 09            | 2 BED     | 79.23       | SOLAR = YES  | VENT = YES          |                               |
| 10            | 3 BED     | 87.56       | SOLAR = YES  | VENT = YES          | SILVER LEVEL                  |
| 11            | 3 BED     | 87.56       | SOLAR = YES  | VENT = YES          | SILVER LEVEL                  |
| 12            | 3 BED     | 87.56       | SOLAR = YES  | VENT = YES          | SILVER LEVEL                  |
| 13            | 3 BED     | 96.45       | SOLAR = YES  | VENT = YES          |                               |
| 14            | 2 BED     | 88.88       | SOLAR = YES  | VENT = YES          |                               |
| 15            | 1 BED     | 59.05       | SOLAR = YES  | VENT = YES          |                               |
| 16            | 3 BED + S | 128.64      | SOLAR = YES  | VENT = YES          | ADAPTABLE UNIT                |
| 17            | 3 BED + S | 123.58      | SOLAR = YES  | VENT = YES          | ADAPTABLE UNIT                |
| 18            | 2 BED     | 78.94       | SOLAR = YES  | VENT = YES          |                               |
| 19            | 2 BED     | 83.90       | SOLAR = YES  | VENT = YES          |                               |
| 20            | 2 BED     | 83.89       | SOLAR = YES  | VENT = YES          |                               |
| 21            | 2 BED     | 83.89       | SOLAR = YES  | VENT = YES          |                               |
|               |           | 1,763.92 m² |              |                     |                               |

| RETAIL AREA    |           |
|----------------|-----------|
| RETAIL TENANCY | AREA      |
| RETAIL 01      | 87.47     |
| RETAIL 02      | 101.65    |
| RETAIL 03      | 81.04     |
|                | 270.16 m² |

| DRAWING No: | DRAWING TITLE                             | REVISION |
|-------------|-------------------------------------------|----------|
| DA-00       | COVER SHEET                               | E        |
| DA-01       | SITE ANALYSIS PLAN                        | A        |
| DA-02       | SITE PLAN                                 | D        |
| DA-03       | BASEMENT PLAN                             | E        |
| DA-04       | GROUND FLOOR PLAN                         | E        |
| DA-05       | LEVEL 1 PLAN                              | E        |
| DA-06       | LEVEL 2 PLAN                              | D        |
| DA-07       | LEVEL 3 PLAN                              | E        |
| DA-08       | ROOF PLAN                                 | D        |
| DA-09       | SECTION A                                 | D        |
| DA-10       | SECTION B                                 | D        |
| DA-11       | SECTION C                                 | D        |
| DA-12       | SECTION D                                 | D        |
| DA-13       | SECTION E                                 | D        |
| DA-14       | SECTION 2                                 | D        |
| DA-15       | SECTION 3                                 | D        |
| DA-16       | NORTH & EAST ELEVATIONS                   | D        |
| DA-17       | SOUTH & WEST ELEVATIONS                   | D        |
| DA-18       | SHADOW DIAGRAMS                           | B        |
| DA-19       | SCHEDULE OF EXTERIOR FINISHES & MATERIALS | C        |
| DA-20       | HEIGHT CONTROL DIAGRAM - OVERVIEW         | C        |
| DA-21       | HEIGHT CONTROL DIAGRAM - VIEW FROM WEST   | C        |
| DA-22       | HEIGHT CONTROL DIAGRAM - VIEW FROM NORTH  | C        |
| DA-23       | HEIGHT CONTROL DIAGRAM - VIEW FROM EAST   | C        |
| DA-24       | HEIGHT CONTROL DIAGRAM - VIEW FROM SOUTH  | C        |
| DA-25       | VIEW 1                                    | C        |
| DA-26       | VIEW 2                                    | C        |
| DA-27       | VIEW 3                                    | C        |
| DA-28       | VIEW 4                                    | C        |
| DA-29       | VIEW 5                                    | C        |
| DA-30       | VIEW 6                                    | C        |
| DA-31       | VIEW 7                                    | C        |
| DA-32       | VIEW 8                                    | C        |

DEVELOPMENT SUMMARY

| UNIT MIX & TOTAL |           |
|------------------|-----------|
| 1 BED =          | 5 (24%)   |
| 2 BED =          | 10 (48%)  |
| 3 BED =          | 6 (28%)   |
| TOTAL =          | 22 (100%) |

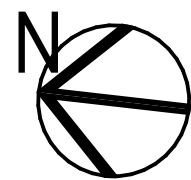
| CAR PARKING                  |           |
|------------------------------|-----------|
| RESIDENTIAL =                | 26 SPACES |
| VISITORS =                   | 5 SPACES  |
| RETAIL =                     | 19 SPACES |
| TOTAL CAR SPACES = 50 SPACES |           |

| BICYCLE PARKING            |           |
|----------------------------|-----------|
| RESIDENTIAL =              | 21 SPACES |
| VISITORS =                 | 2 SPACES  |
| RETAIL (STAFF) =           | 2 SPACES  |
| RETAIL (SHOPPERS) =        | 1 SPACE   |
| TOTAL BICYCLES = 26 SPACES |           |

| SOLAR ACCESS & NATURAL VENTILATION |               |
|------------------------------------|---------------|
| SOLAR ACCESS =                     | 15 / 21 (71%) |
| X-VENTILATION =                    | 17 / 21 (81%) |

| ACCESSIBILITY          |               |
|------------------------|---------------|
| "SILVER LEVEL" UNITS = | 5 UNITS (24%) |
| ADAPTABLE UNITS =      | 3 UNITS (14%) |

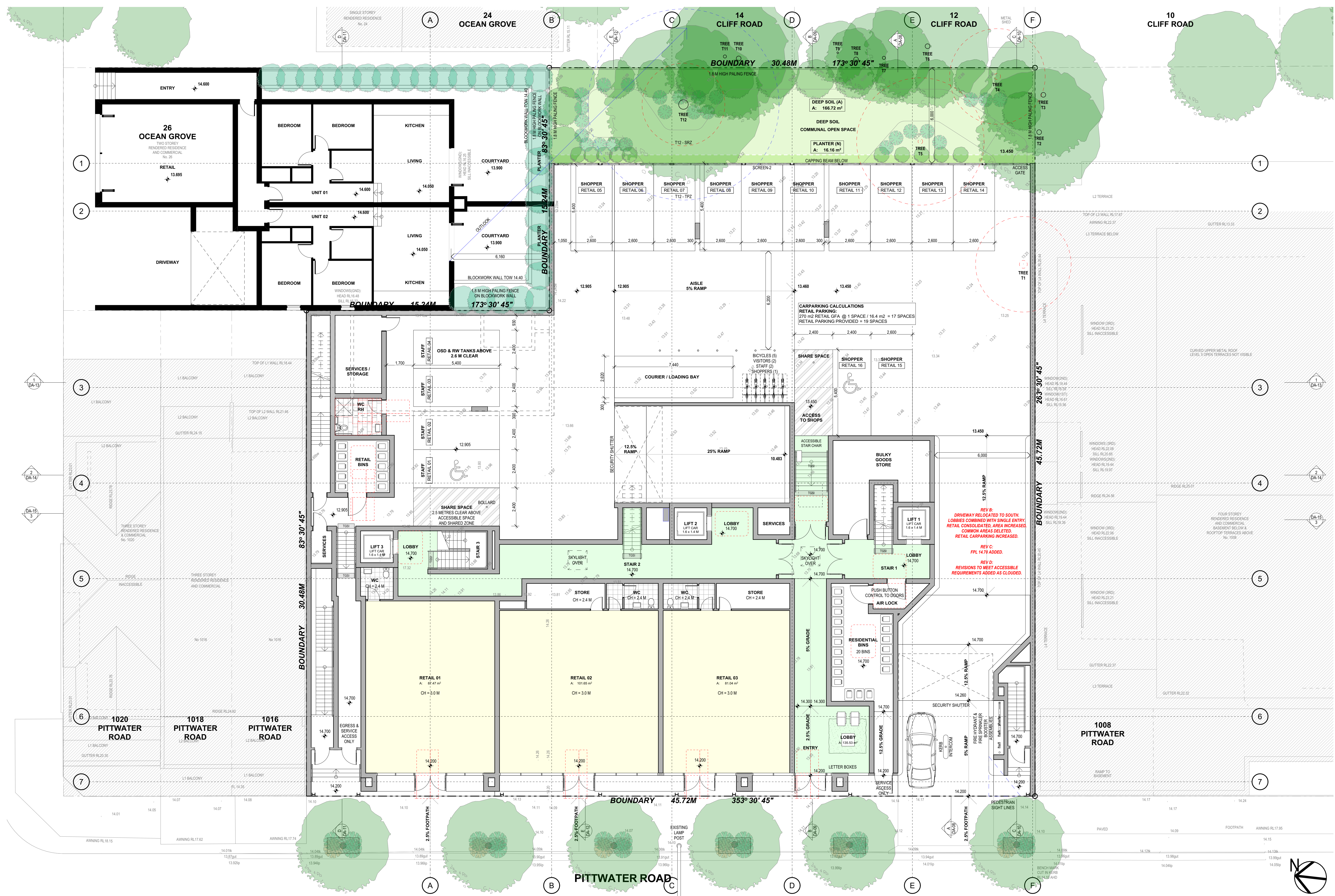




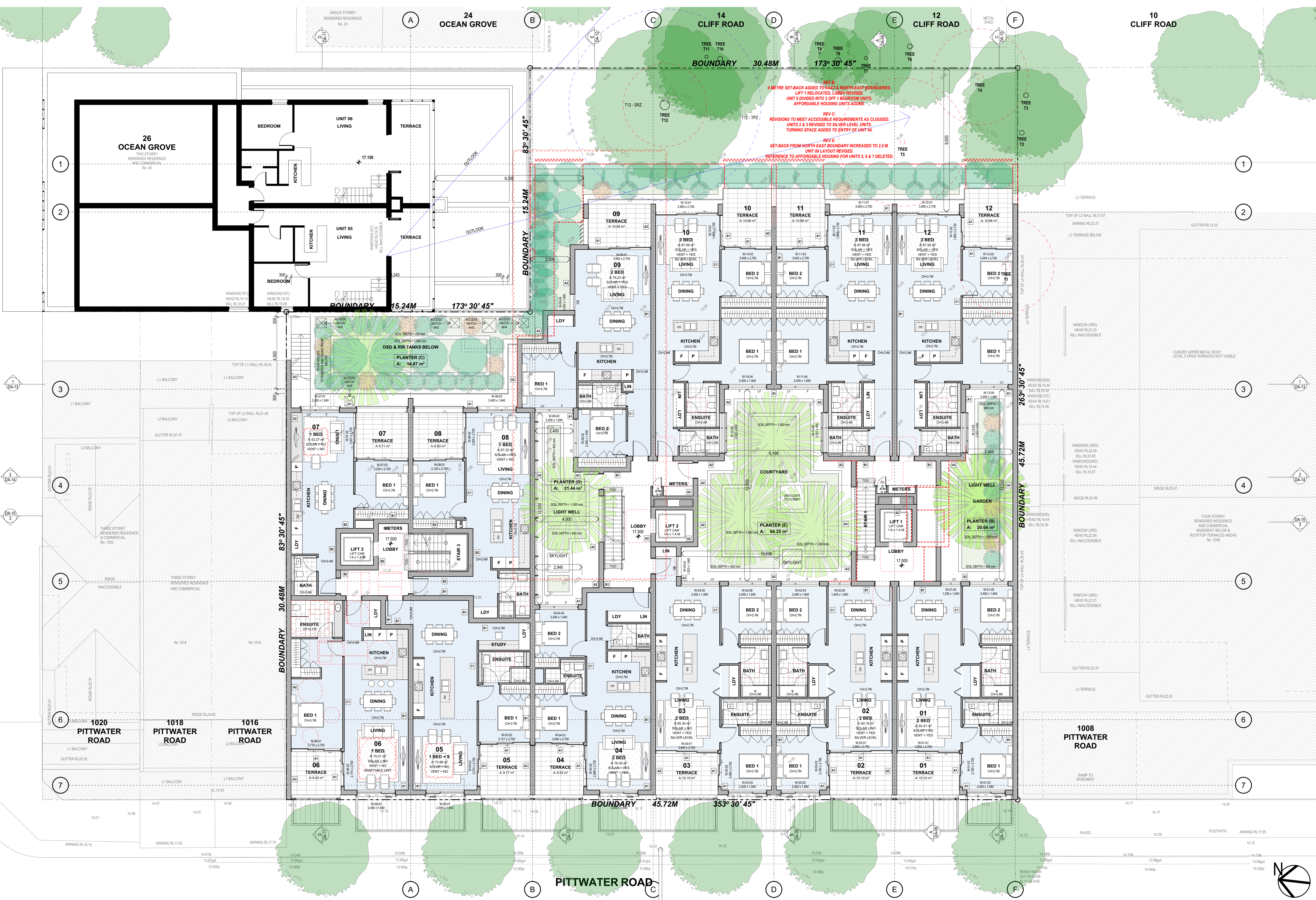




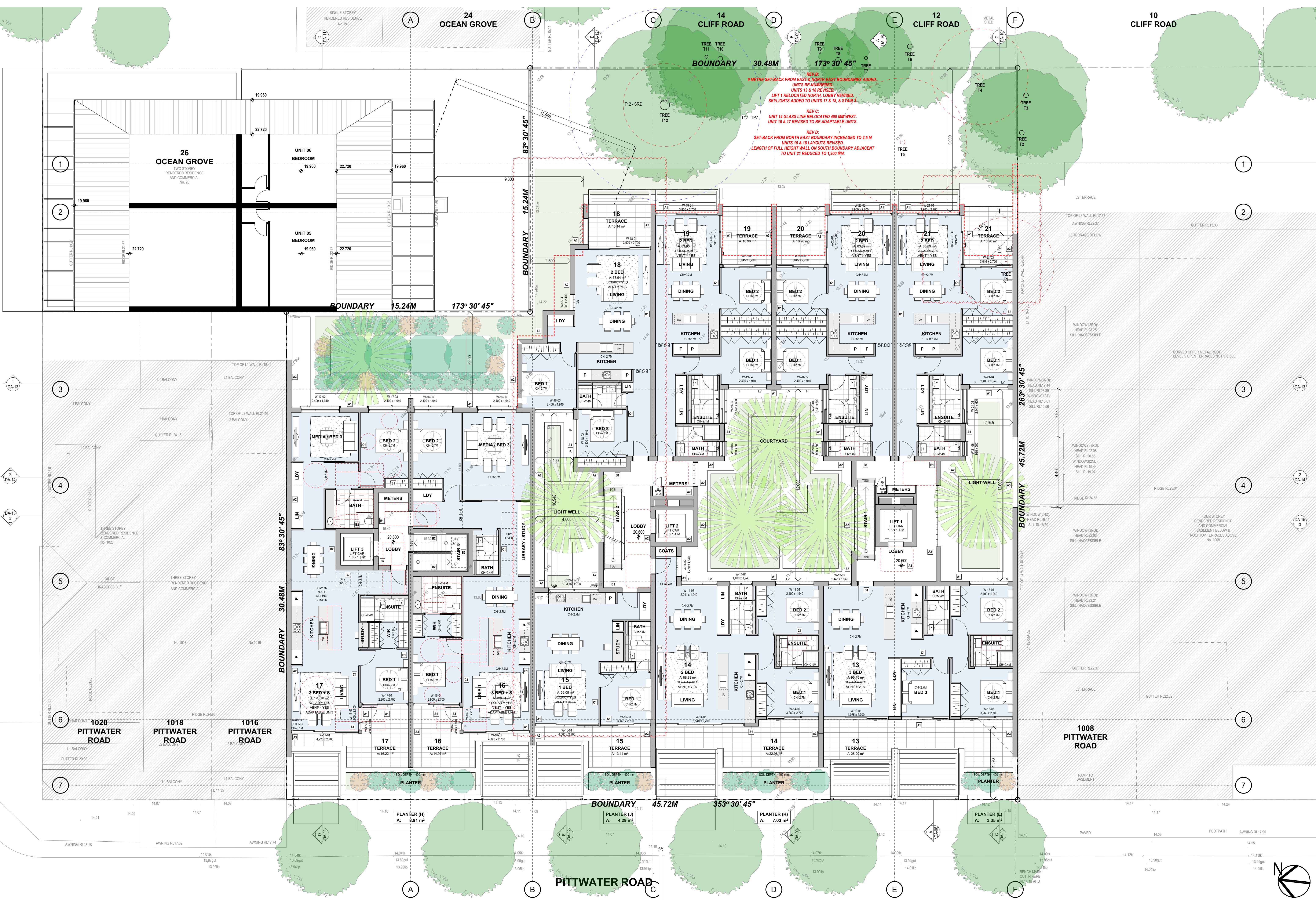




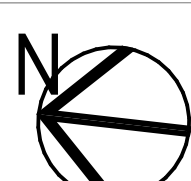






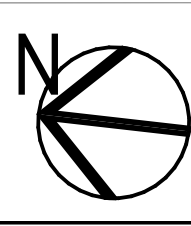






| ISSUE NO.  | Rev | Change Name                          | PROJECT                                                     | ISSUE TITLE  |
|------------|-----|--------------------------------------|-------------------------------------------------------------|--------------|
| 16/09/2023 | A   | DEVELOPMENT APPLICATION              | LONG REEF MIXED-USE                                         | LEVEL 3 PLAN |
| 22/02/2024 | B1  | REVISIONS TO DA DRAWINGS AS CLOUSED. | 1010 - 1014 PITTWATER ROAD<br>COLLARY NSW 2907              |              |
| 29/03/2024 | B   | REVISIONS TO DA DRAWINGS AS CLOUSED. | LOTS 3 & 4 SECTION 1 IN D.P. 6777 &<br>LOT 2 IN D.P. 314045 |              |
| 12/04/2024 | C   | REVISIONS TO DA DRAWINGS AS CLOUSED. |                                                             |              |
| 26/04/2024 | D   | REVISIONS TO DA DRAWINGS AS CLOUSED. |                                                             |              |
| 05/07/2024 | E   | REVISIONS TO DA DRAWINGS AS CLOUSED. |                                                             |              |
|            |     |                                      | FOR COLLARY PROJECTS PTY LTD                                |              |
|            |     |                                      | 2101                                                        | DA-07        |
|            |     |                                      |                                                             | E            |

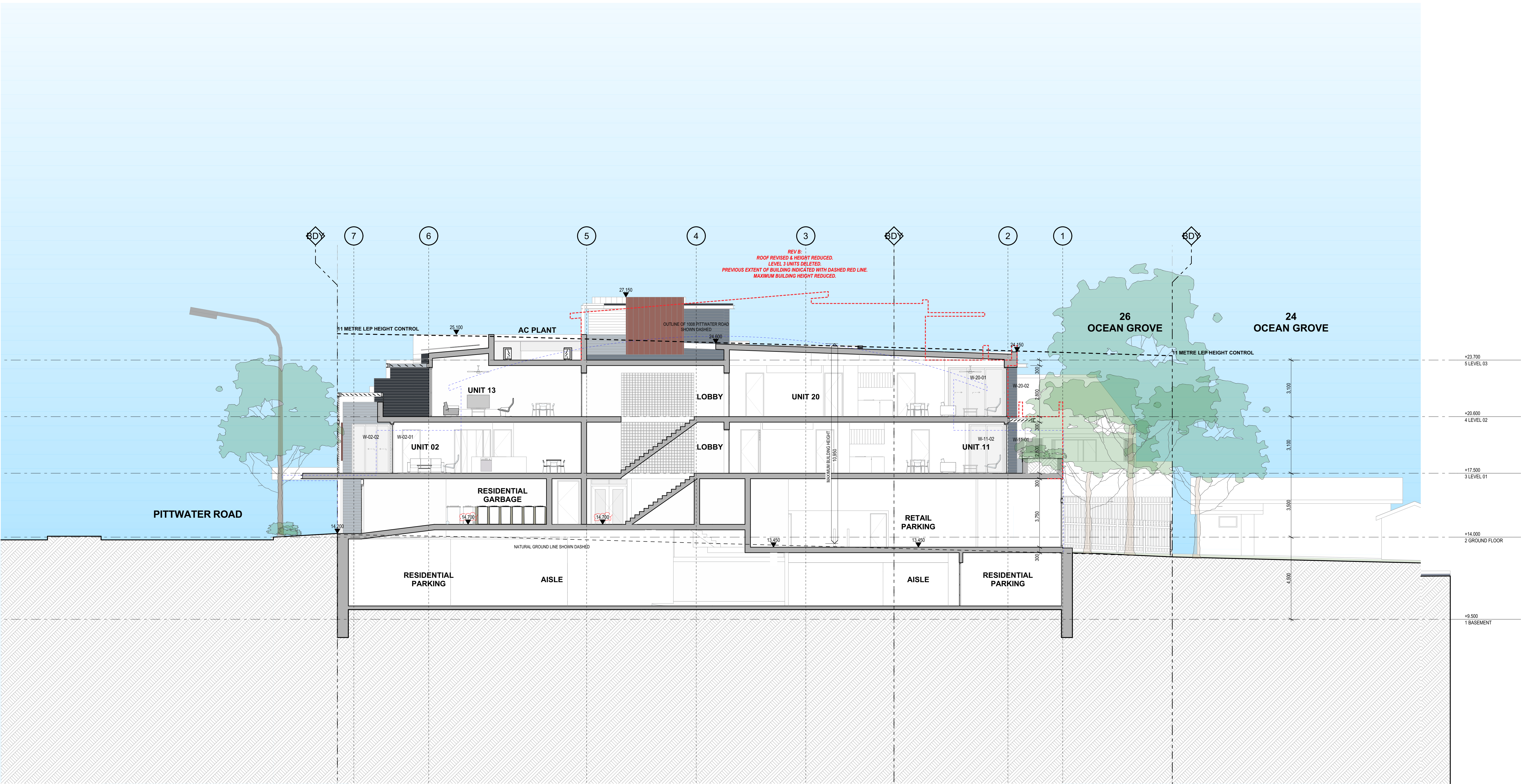




**PROJECT**  
**LONG REEF MIXED-USE**  
1010 - 1014 PITTWATER ROAD  
COLLAROY NSW 2097  
LOTS 3 & 4 SECTION 1 IN D.P. 6777 &  
LOT 2 IN D.P. 314645  
  
FOR COLLAROY PROJECTS PTY LTD

|               |             |            |
|---------------|-------------|------------|
| DRAWING TITLE |             |            |
| ROOF PLAN     |             |            |
| SCALE         | DRAWN BY    | PLOT DATE  |
| 1:100 @ A1    | SG / AW     | 05/07/2011 |
| PROJECT NO.   | DRAWING NO. | REVISIONS  |
| 2101          | DA-08       |            |

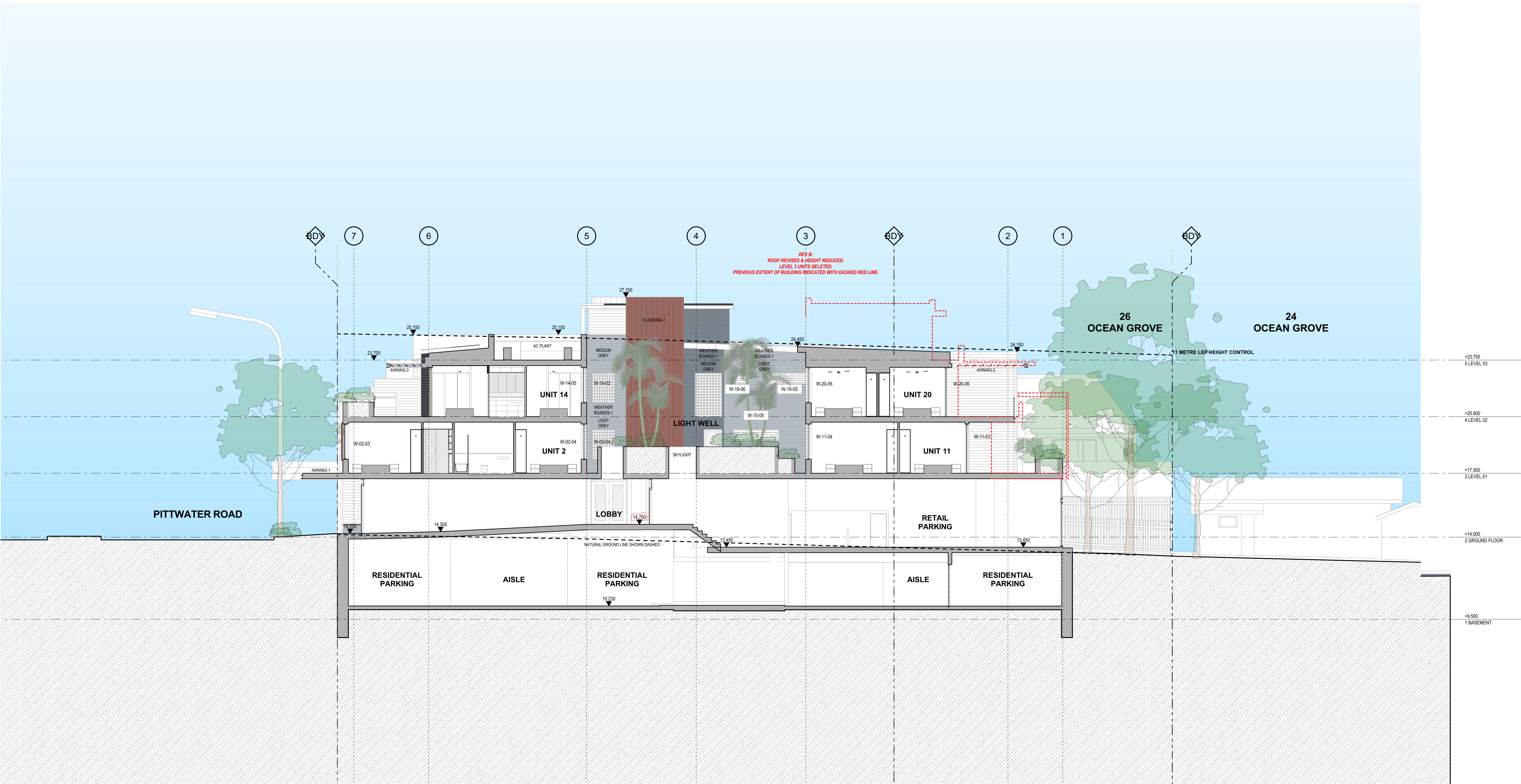




SECTION A

1:100





SECTION B

1:100





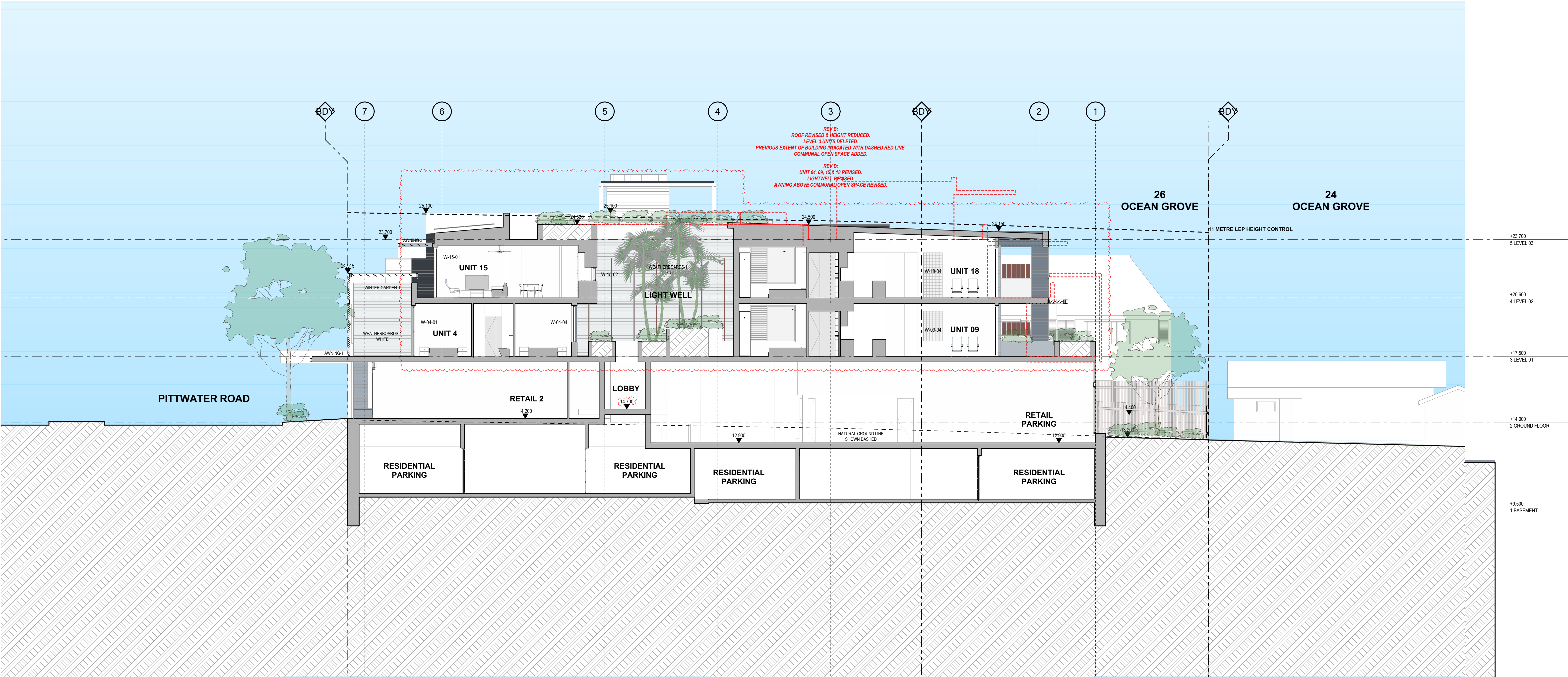
SECTION C

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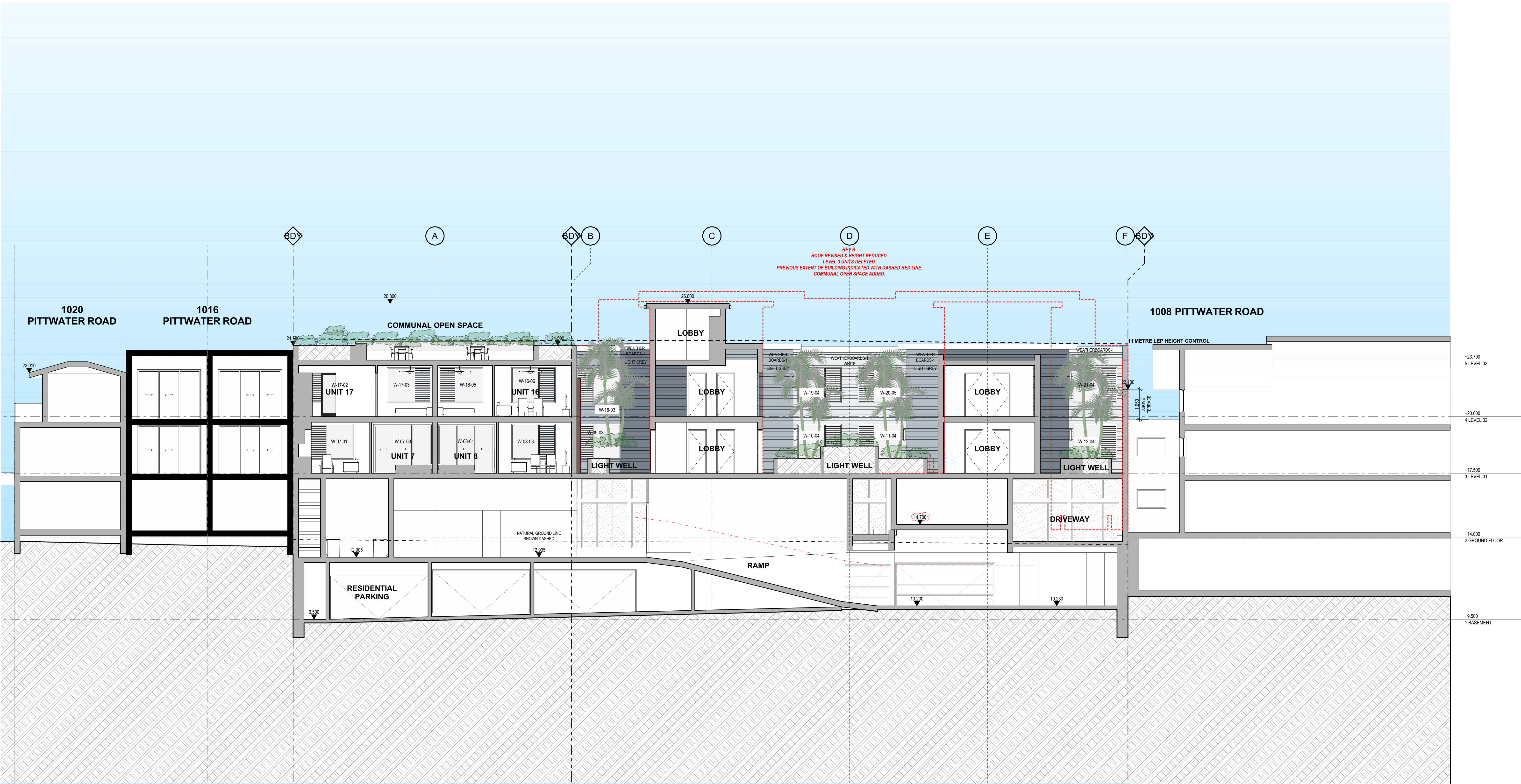




SECTION E

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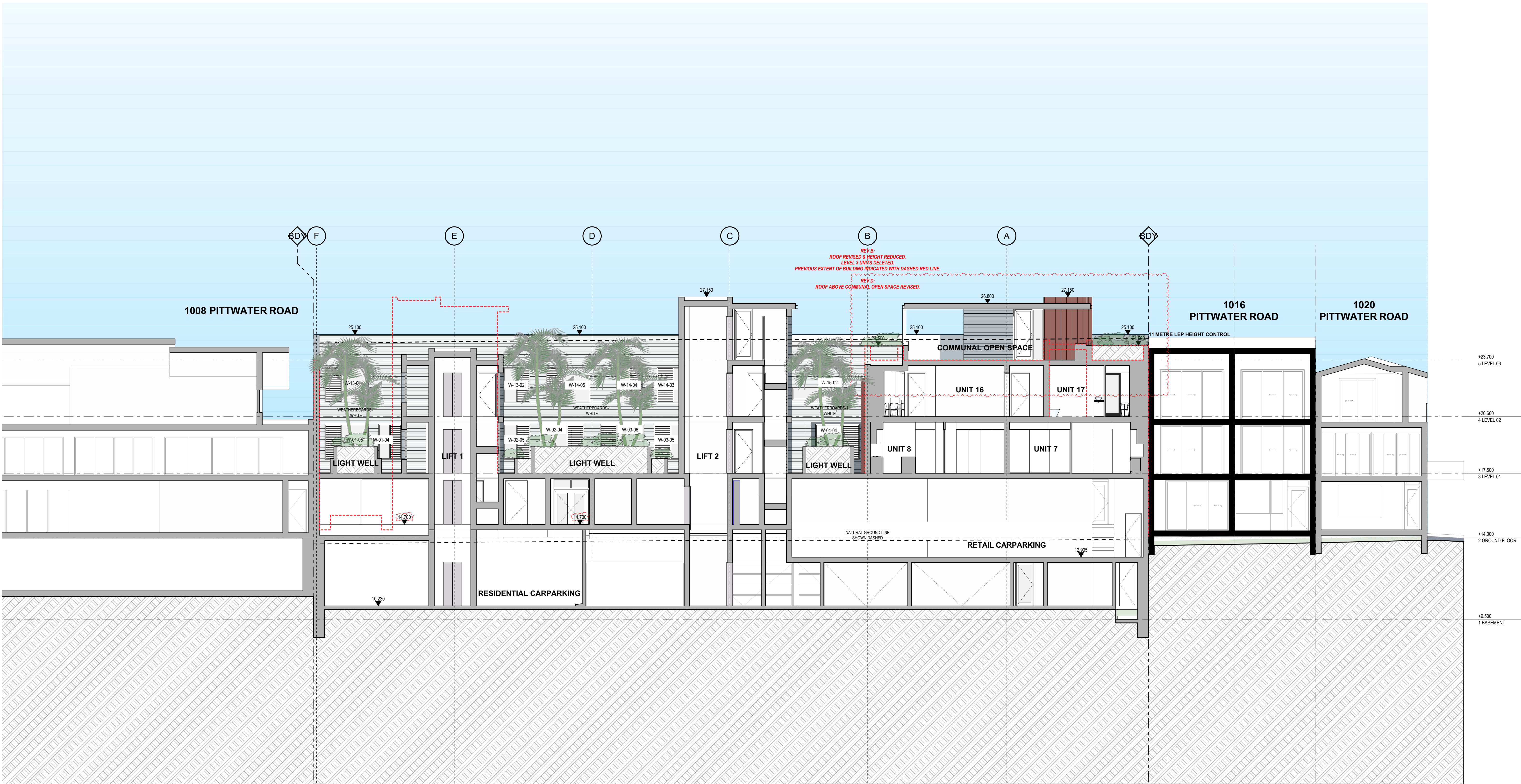




SECTION 2

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SECTION 3

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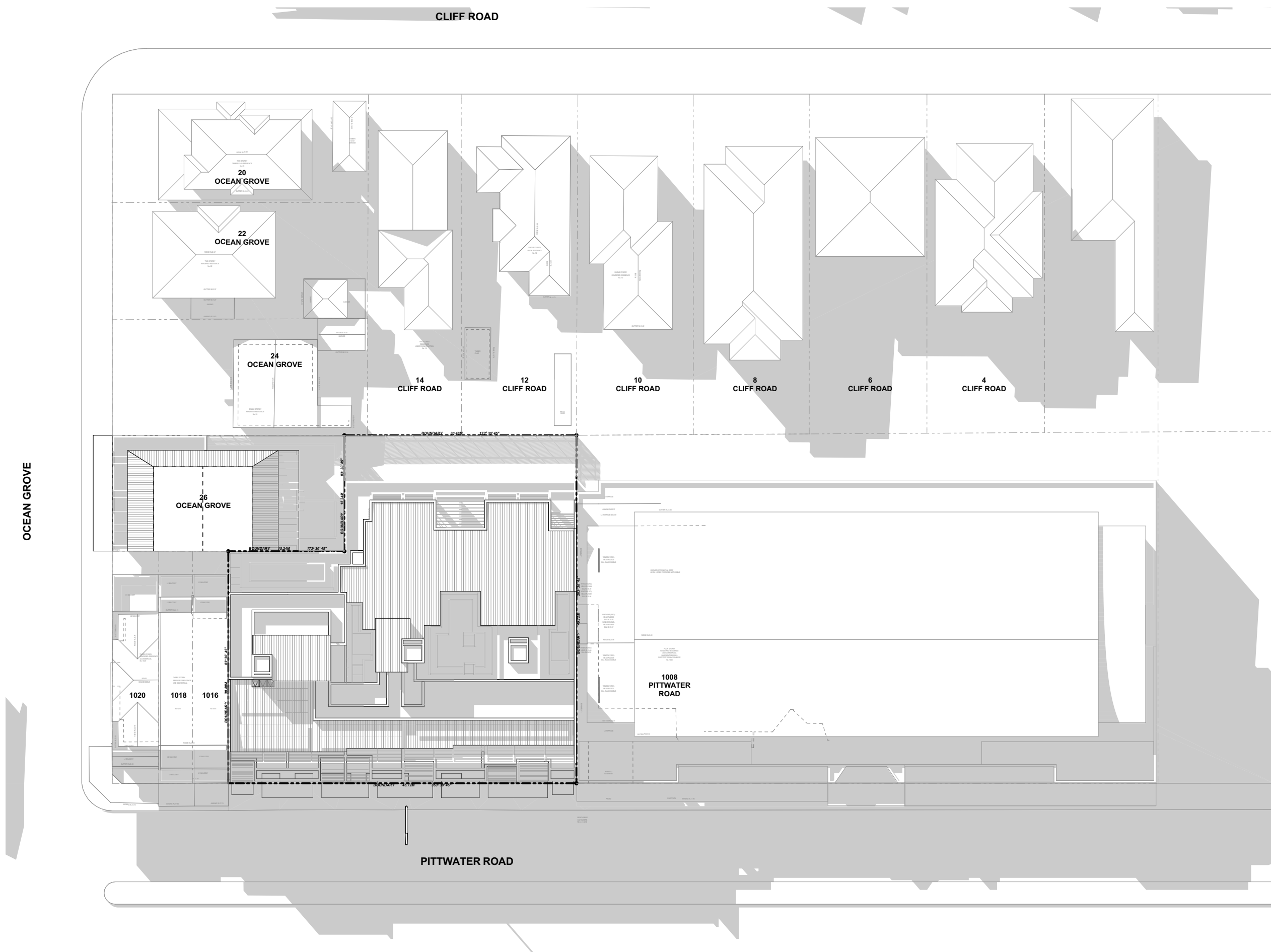








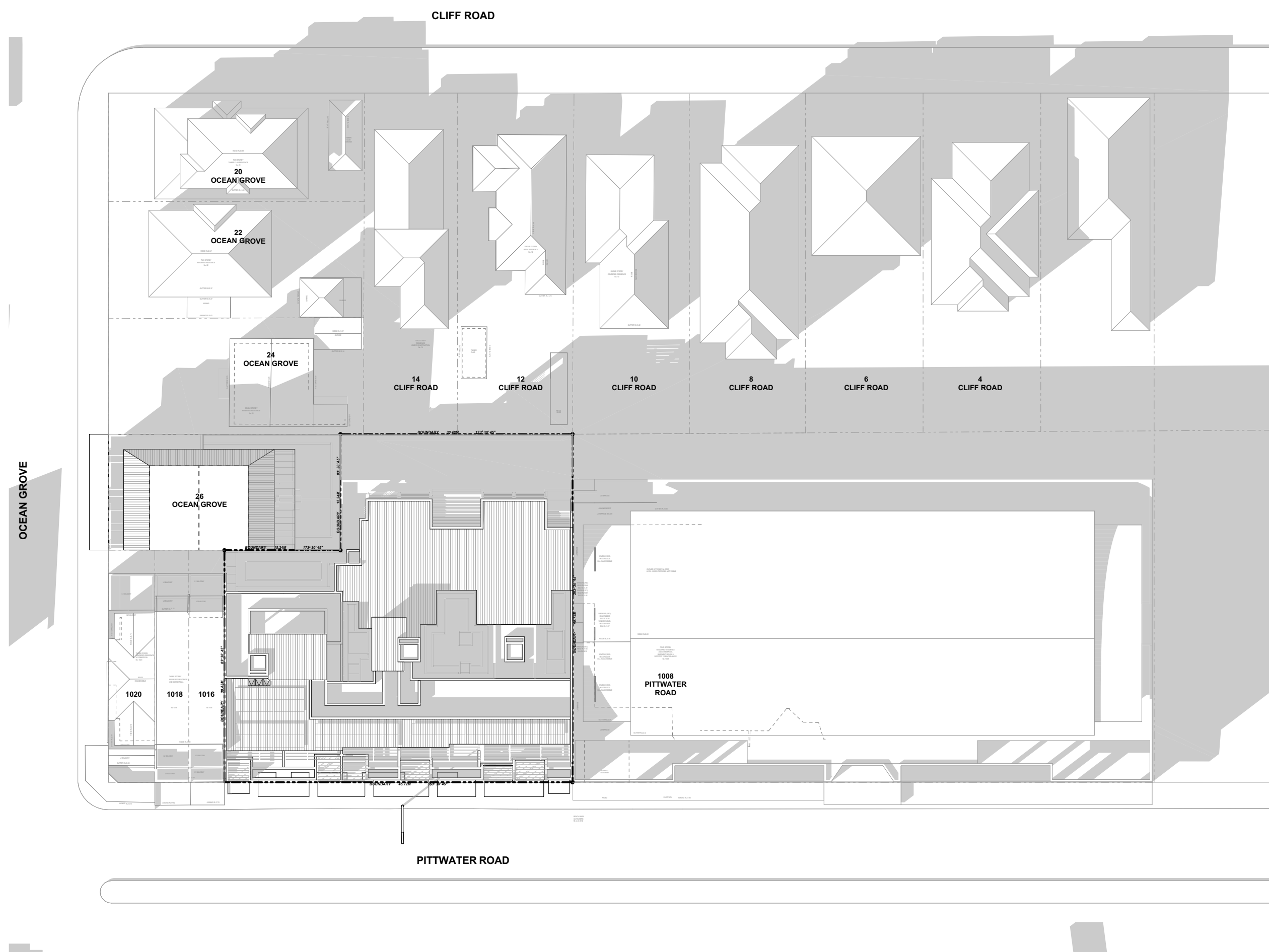




SHADOWS DIAGRAMS - 9:00 AM



SHADOW DIAGRAMS - 12:00 NOON



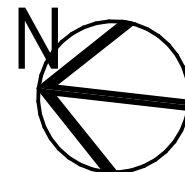
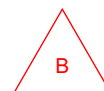
SHADOW DIAGRAMS - 15:00 PM

PROPOSED SHADOW  
EXISTING SHADOW

**Certification of Shadow Diagrams**  
I hereby certify that the shadow diagrams submitted with the proposal  
a) are in accordance with the survey  
b) indicate shadows cast at 9 am, 12 noon and 3 pm on 21 June  
c) indicate shadows cast by existing structures

**Sean Gartner**  
(Registered Architect #6072 NSW)

*Sean Gartner*



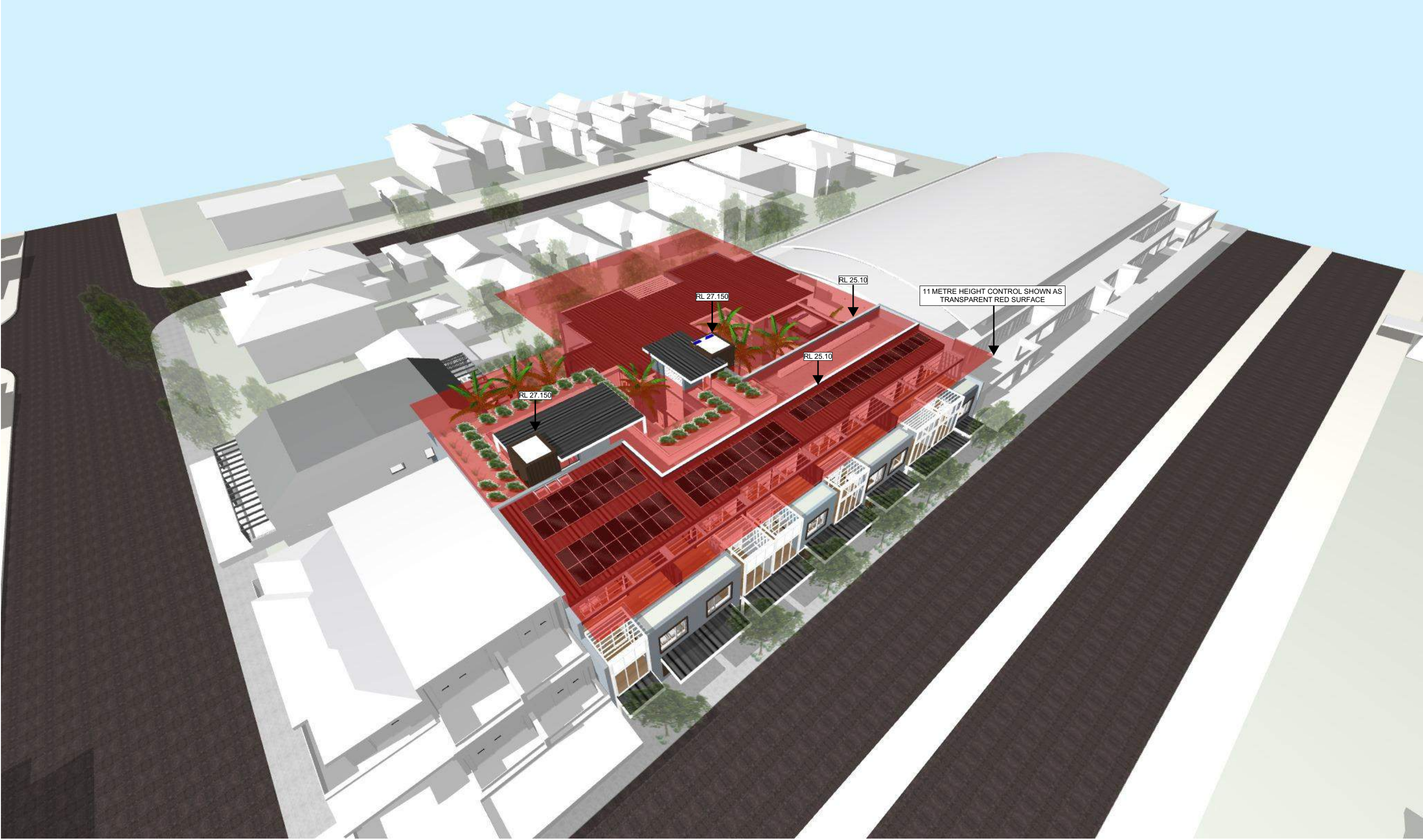




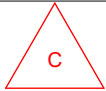
|                                                |                                            |                                                  |                                               |
|------------------------------------------------|--------------------------------------------|--------------------------------------------------|-----------------------------------------------|
| <div>Dulux<br/>White on White™<br/>SW1E2</div> |                                            | <div>Dulux<br/>Template Quarter<br/>S36H1Q</div> |                                               |
| "WHITE"                                        |                                            | "LIGHT BLUE"                                     |                                               |
|                                                | <div>Dulux<br/>Miller Mood<br/>SG6D1</div> |                                                  |                                               |
|                                                | "LIGHT GREY"                               |                                                  |                                               |
| <div>Dulux<br/>Chanson<br/>SG6D2</div>         |                                            |                                                  |                                               |
| "GREY"                                         |                                            | "AGED COPPER"                                    |                                               |
|                                                | <div>Dulux<br/>Tempe<br/>S36H1Q</div>      |                                                  | <div>Dulux<br/>Colours@Monument®<br/>CM</div> |
|                                                | "MEDIUM GREY"                              |                                                  | "MONUMENT"                                    |
| <div>Dulux<br/>Cladding<br/>SG6D8</div>        |                                            |                                                  |                                               |
| "DARK GREY"                                    |                                            |                                                  |                                               |

| EXTERIOR FINISHES LEGEND |                                                                                                                     |                   |                                                                                                  | COLOUR LEGEND                                                                |                                                                                                                                 |             |                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------|
| AWNING-1                 | STEEL FRAMED AWNING WITH METAL DECK ROOF AND PFC FACIA (TOES OUT). PAINT FINISH, COLOUR "WHITE".                    | LOUVRES-1         | CLEAR GLASS LOUVRES TO WINTER GARDENS. ALUMINIUM FRAMING WITH POWDERCOAT FINISH, COLOUR "WHITE". | TIMBER SEAT-1                                                                | TIMBER SEAT TO RETAIL ENTRANCES.                                                                                                | WHITE       | "WHITE" PAINT FINISH EQUAL TO DULUX "WHITE ON WHITE" SW1E2.         |
| AWNING-2                 | STEEL PFC FRAMED PERGOLA WITH MOTORISED LOUVRES. ALL STEEL PAINT FINISH, COLOUR "WHITE".                            | METAL ROOF DECK-1 | METAL ROOF DECK, COLORBOND "MONUMENT".                                                           | WEATHERBOARD-1                                                               | HORIZONTAL FIBRE CEMENT WEATHERBOARD CLADDING, PAINT FINISH, COLOUR AS NOTED.                                                   | LIGHT BLUE  | "LIGHT BLUE" PAINT FINISH EQUAL TO DULUX "TEMPLATE QUARTER" S36H1Q. |
| AWNING-3                 | STEEL PFC FRAMED PERGOLA WITH MOTORISED LOUVRES. ALL STEEL PAINT FINISH, COLOUR "DARK GREY".                        | SCREEN-1          | HORIZONTAL LOUVRE (PLANTATION SHUTTER) SCREEN, POWDERCOAT FINISH, COLOUR "WHITE".                | WINTER GARDEN-1                                                              | STEEL PFC FRAMED WINTER GARDEN. CLEAR GLASS LOUVRE SCREEN WITH ADJUSTABLE LOUVRE PERGOLA ABOVE. ALL STEEL PAINT FINISH "WHITE". | LIGHT GREY  | "LIGHT GREY" PAINT FINISH EQUAL TO DULUX "MILLER MOOD" SG6D1.       |
| BALUSTRADE-1             | CLEAR GLASS BALUSTRADE WITH METAL HANDRAIL @ 1,050 MM ABOVE FFL. FIXED TO WALL WITH STAINLESS STEEL PATCH FITTINGS. | SCREEN-2          | PERFORATED METAL SCREEN WITH POWDERCOAT FINISH, COLOUR "LIGHT GREY".                             |                                                                              |                                                                                                                                 | GREY        | "GREY" PAINT FINISH EQUAL TO DULUX "CHANSON" SG6D2.                 |
| CONCRETE-1               | CONCRETE WALL / SLAB EDGE / PLANTER BOX WITH RENDER & PAINT FINISH, COLOUR AS NOTED ON ELEVATIONS.                  | SUNHOOD-1         | 300 MM DEEP METAL SUNHOOD AROUND PERIMETER OF WINDOW, POWDERCOAT FINISH, COLOUR "AGED COPPER".   |                                                                              |                                                                                                                                 | MEDIUM GREY | "MEDIUM GREY" PAINT FINISH EQUAL TO DULUX "TINKER" SG6D4.           |
| CLADDING-1               | METAL CLADDING PANEL, STANDING SEAM, AGED COPPER FINISH.                                                            | SUNHOOD-2         | 300 MM DEEP METAL SUNHOOD AROUND PERIMETER OF WINDOW, POWDER COAT FINISH, COLOUR "WHITE".        |                                                                              |                                                                                                                                 | DARK GREY   | "DARK GREY" PAINT FINISH EQUAL TO DULUX "DOOLONG" SG6D8.            |
|                          |                                                                                                                     |                   |                                                                                                  | DULUX ELECTRO "BURNISHED COPPER FLAT".                                       |                                                                                                                                 |             |                                                                     |
|                          |                                                                                                                     |                   |                                                                                                  | ALL WINDOWS CLEAR GLAZING WITH POWDERCOAT ALUMINIUM FRAMING, "WHITE" COLOUR. |                                                                                                                                 |             |                                                                     |
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HEIGHT CONTROL DIAGRAM - OVERVIEW

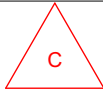


| Transmittal<br>Set Date | Rev | Description                               |
|-------------------------|-----|-------------------------------------------|
| 27/07/2023              | P1  | HEIGHT CONTROL DIAGRAMS PRELIMINARY ISSUE |
| 18/09/2023              | A   | DEVELOPMENT APPLICATION.                  |
| 20/03/2024              | B   | REVISIONS TO DA DRAWINGS AS CLOUDED.      |
| 05/07/2024              | C   | REVISIONS TO DA DRAWINGS AS CLOUDED.      |

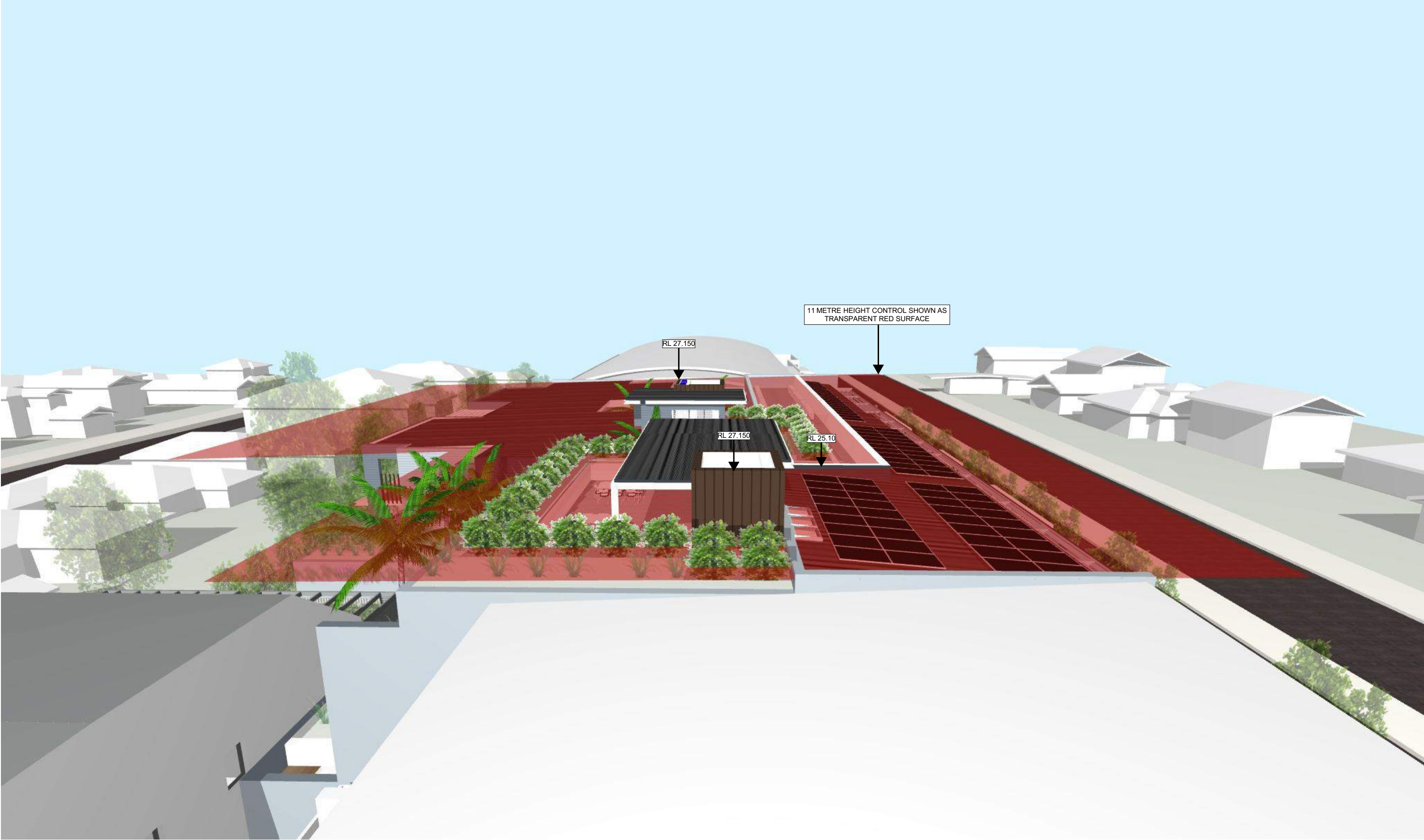




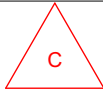
HEIGHT CONTROL DIAGRAM - VIEW FROM WEST







HEIGHT CONTROL DIAGRAM - VIEW FROM NORTH

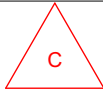


| Transmittal Set Date | Rev | Description                               |
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| 27/07/2023           | P1  | HEIGHT CONTROL DIAGRAMS PRELIMINARY ISSUE |
| 18/09/2023           | A   | DEVELOPMENT APPLICATION.                  |
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| 05/07/2024           | C   | REVISIONS TO DA DRAWINGS AS CLOUDED.      |





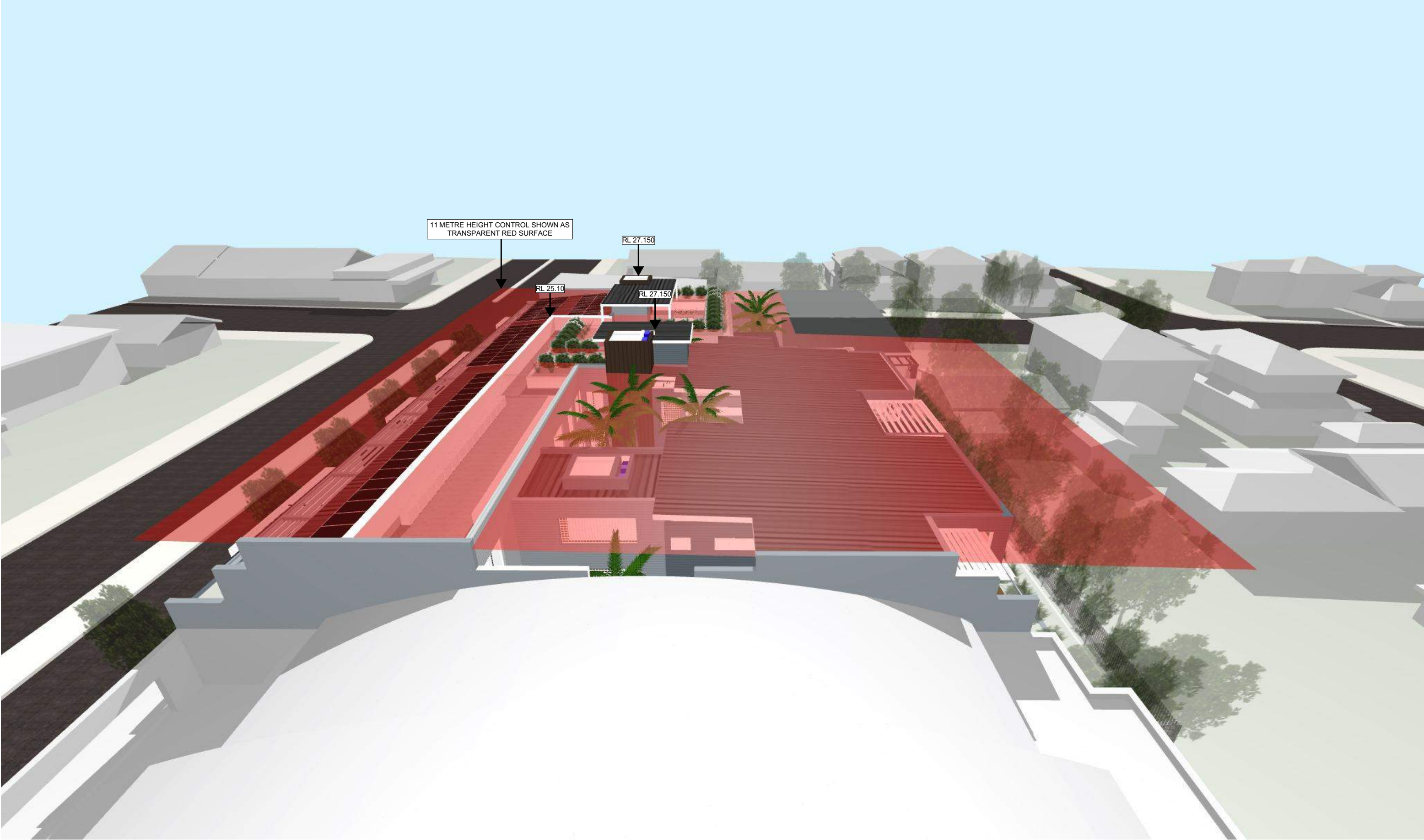
HEIGHT CONTROL DIAGRAM - VIEW FROM EAST



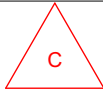
| Transmittal Set Date | Rev | Description                               |
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| 27/07/2023           | P1  | HEIGHT CONTROL DIAGRAMS PRELIMINARY ISSUE |
| 18/09/2023           | A   | DEVELOPMENT APPLICATION.                  |
| 20/03/2024           | B   | REVISIONS TO DA DRAWINGS AS CLOUDED.      |
| 05/07/2024           | C   | REVISIONS TO DA DRAWINGS AS CLOUDED.      |

| PROJECT                                                                                                   | DRAWING TITLE                           | DRAWN BY          | PLOT DATE  |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|------------|
| LONG REEF                                                                                                 | HEIGHT CONTROL DIAGRAM - VIEW FROM EAST | SG / AW           | 05/07/2024 |
| 1010 - 1014 PITTWATER ROAD, COLLAROY NSW 2097<br>LOTS 3 & 4 SECTION 1 IN D.P. 6777 & LOT 2 IN D.P. 314645 | NTS                                     |                   |            |
| FOR COLLAROY PROJECTS PTY LTD                                                                             | PROJECT NO. 2101                        | DRAWING NO. DA-23 | REVISION C |





HEIGHT CONTROL DIAGRAM - VIEW FROM SOUTH



| Transmittal<br>Set Date | Rev | Description                               |
|-------------------------|-----|-------------------------------------------|
| 27/07/2023              | P1  | HEIGHT CONTROL DIAGRAMS PRELIMINARY ISSUE |
| 18/09/2023              | A   | DEVELOPMENT APPLICATION.                  |
| 20/03/2024              | B   | REVISIONS TO DA DRAWINGS AS CLOUDED.      |
| 05/07/2024              | C   | REVISIONS TO DA DRAWINGS AS CLOUDED.      |





26 OCEAN GROVE - UNIT 2 (GROUND FLOOR WEST) - VIEW FROM COURTYARD



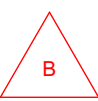
26 OCEAN GROVE - UNIT 2 (GROUND FLOOR WEST) - VIEW FROM LIVING AREA



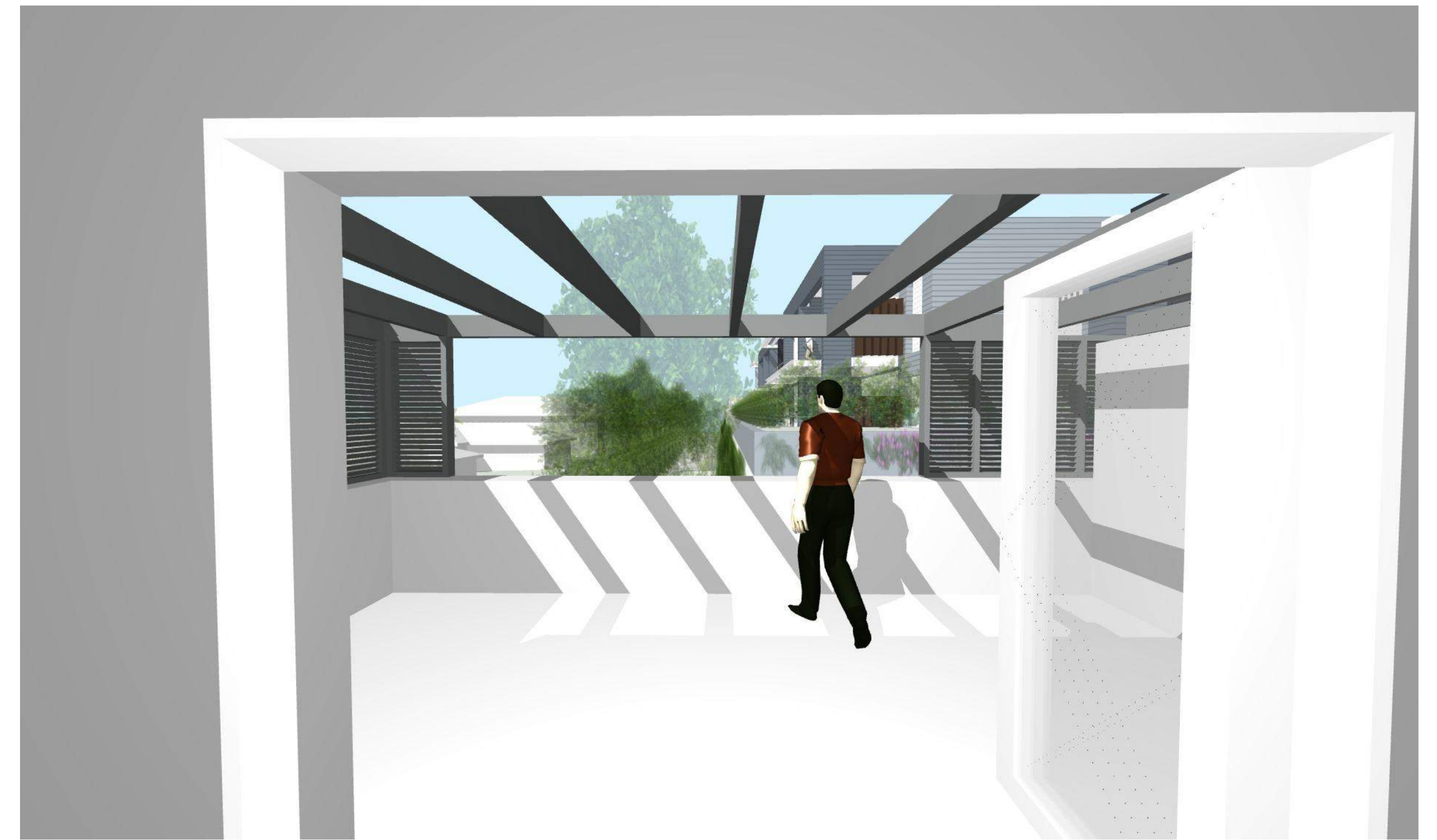
26 OCEAN GROVE - UNIT 1 (GROUND FLOOR EAST) - VIEW FROM COURTYARD



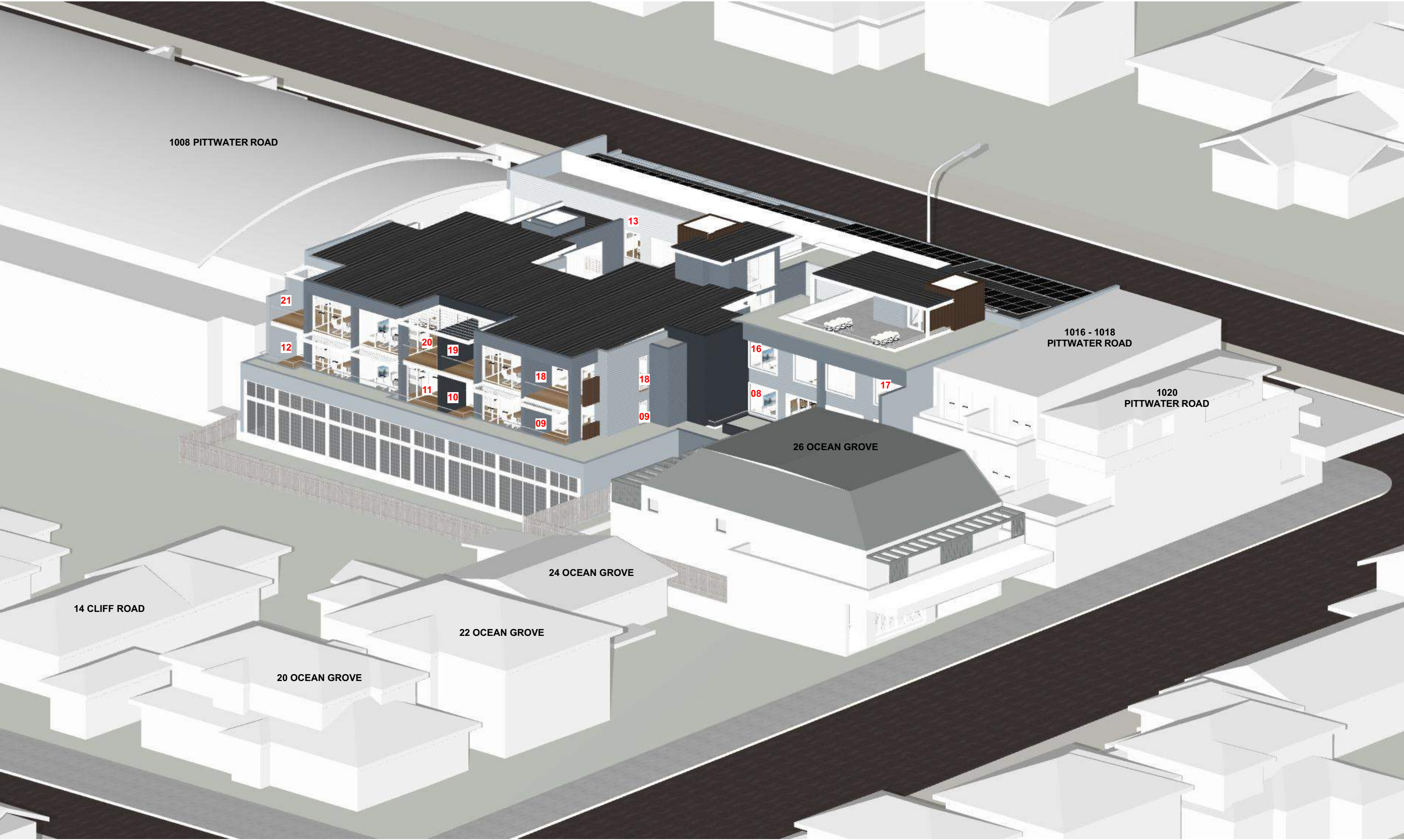
26 OCEAN GROVE - UNIT 1 (GROUND FLOOR EAST) - VIEW FROM LIVING AREA



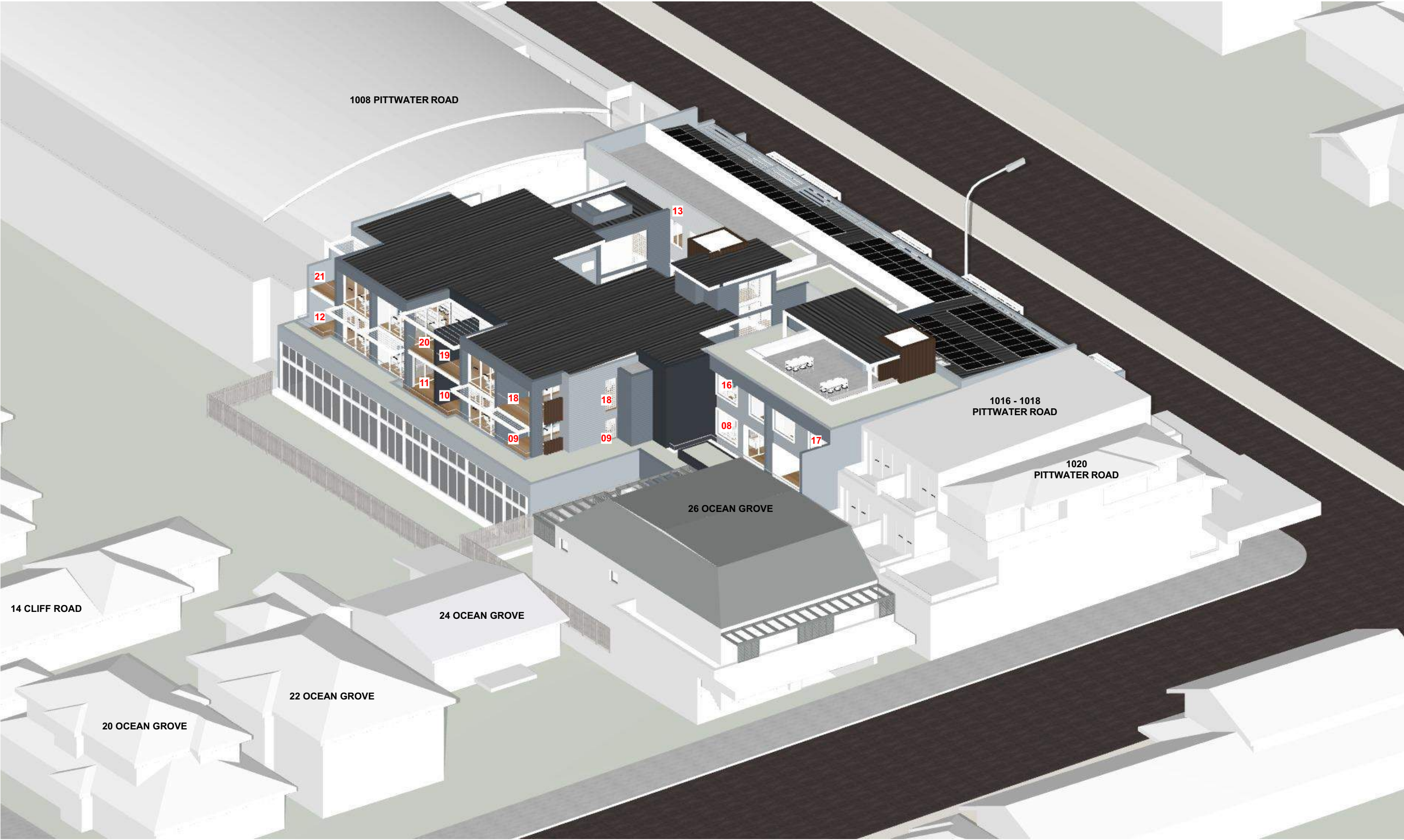




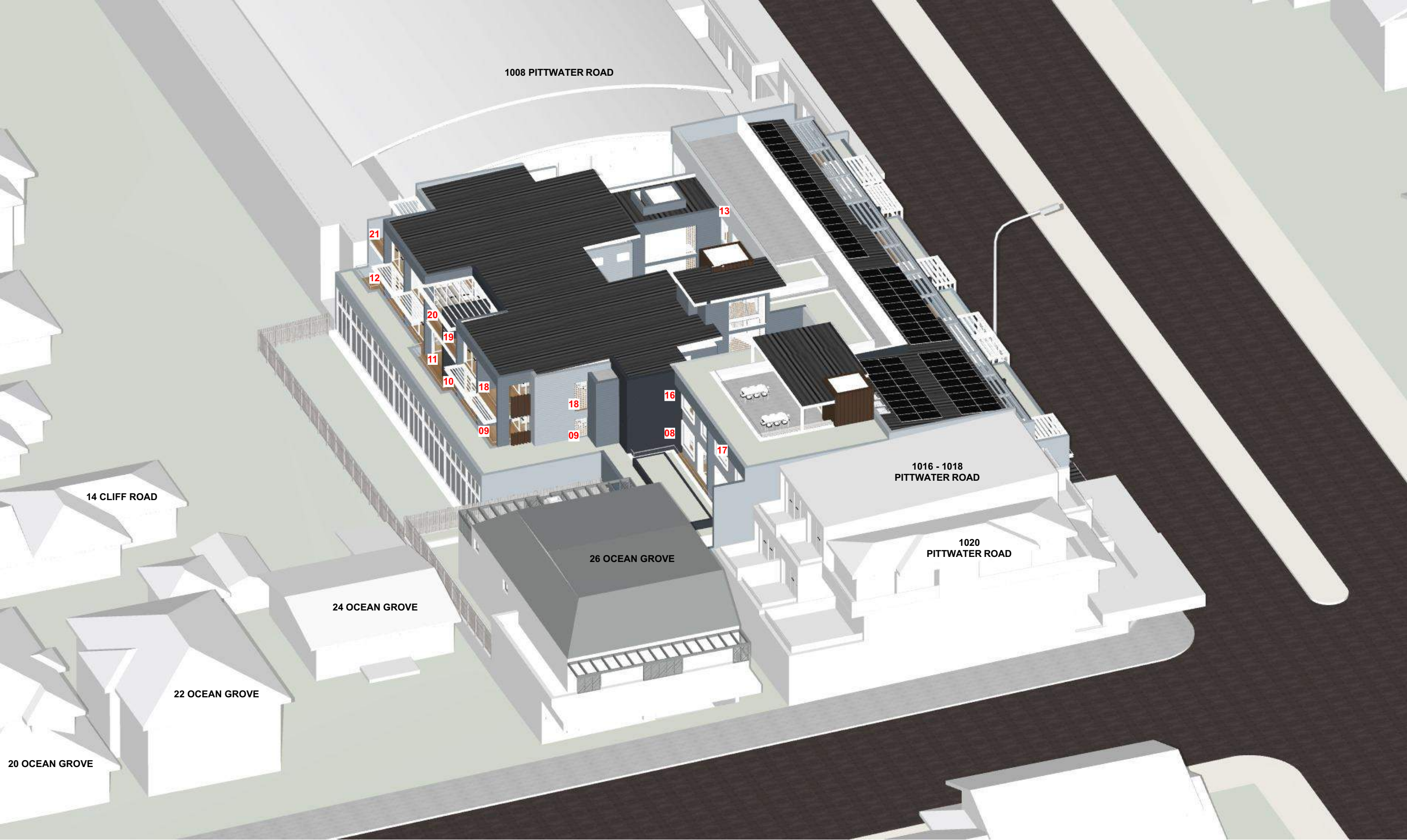




9 AM - 21 JUNE



10 AM - 21 JUNE



11 AM - 21 JUNE

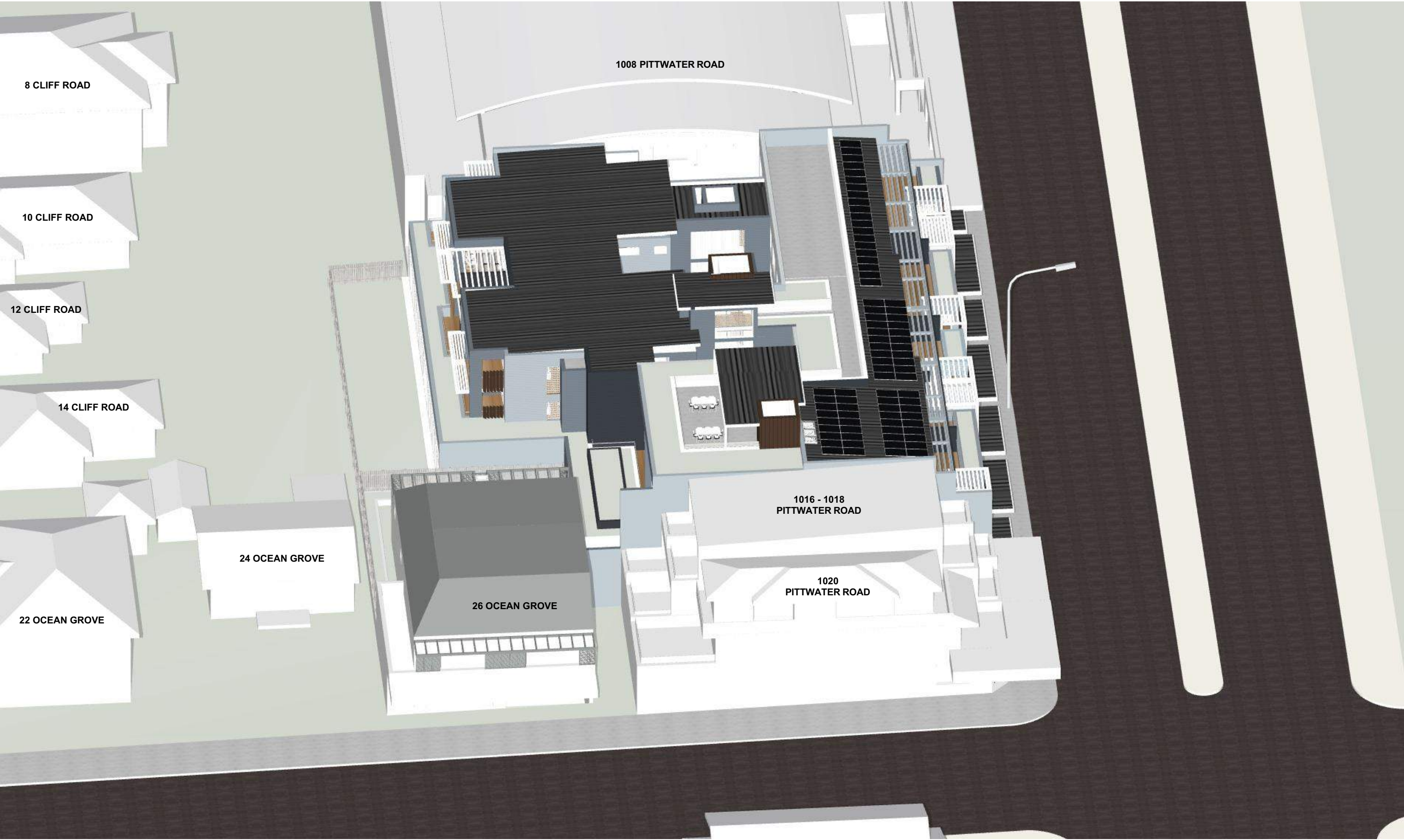
**Certification of View from the Sun Diagrams**  
I hereby certify that the view from the sun diagrams submitted with the proposal  
a) are in accordance with the survey  
b) indicate views from the sun at hourly intervals from 9 am to 3 pm on 21 June

**Sean Gartner**  
(Registered Architect #6072 NSW)

*Sean Gartner*



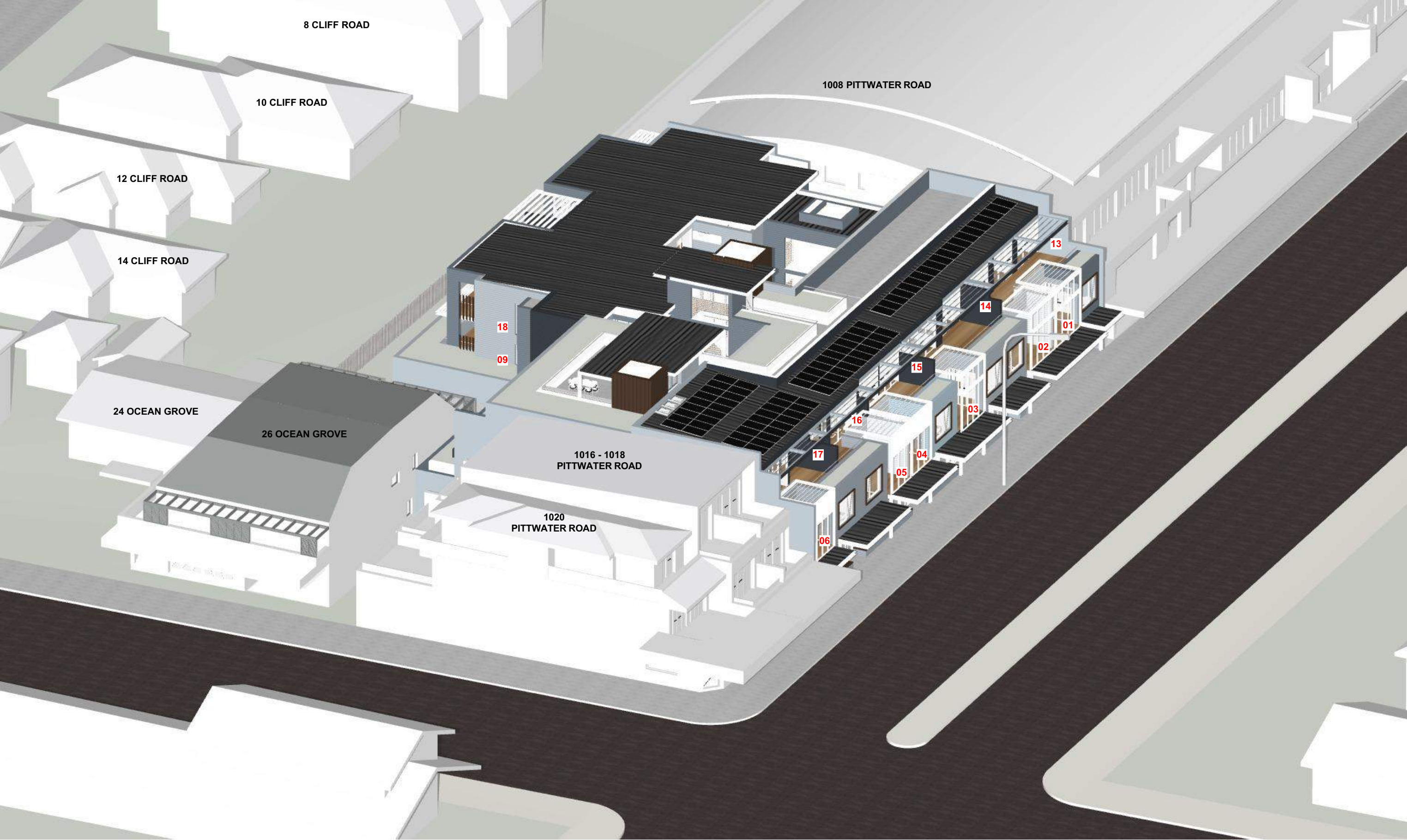




12 NOON - 21 JUNE



1 PM - 21 JUNE



2 PM - 21 JUNE

**Certification of View from the Sun Diagrams**  
I hereby certify that the view from the sun diagrams submitted with the proposal  
a) are in accordance with the survey  
b) indicate views from the sun at hourly intervals from 9 am to 3 pm on 21 June

**Sean Gartner**  
(Registered Architect #6072 NSW)

*Sean Gartner*





3 PM - 21 JUNE

**Certification of View from the Sun Diagrams**  
I hereby certify that the view from the sun diagrams submitted with the proposal  
a) are in accordance with the survey  
b) indicate views from the sun at hourly intervals from 9 am to 3 pm on 21 June

**Sean Gartner**  
(Registered Architect #6072 NSW)

*Sean Gartner*