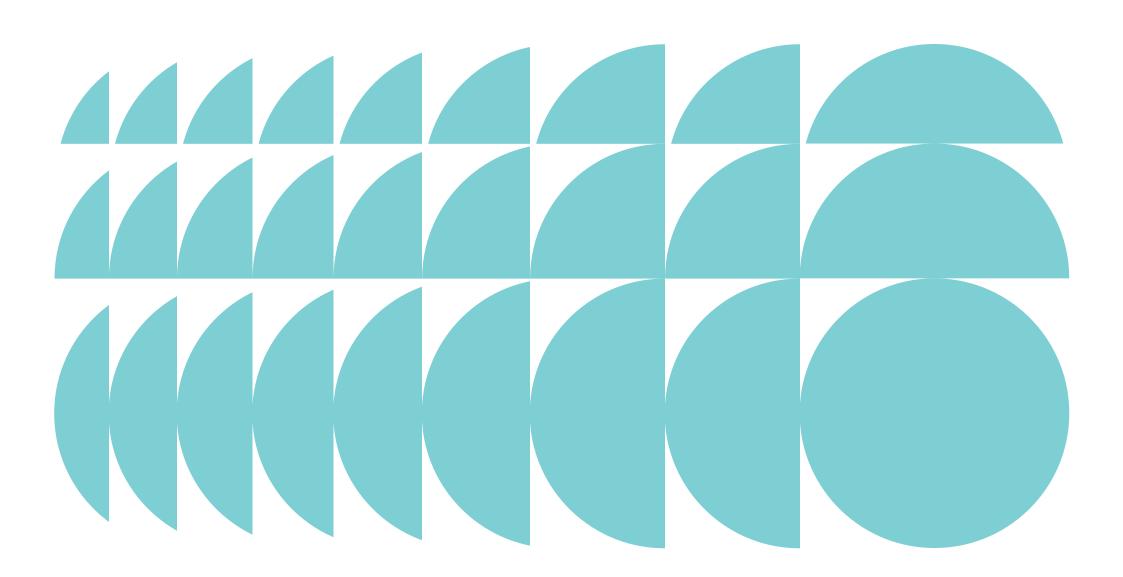


#### 30-62 Barcom Avenue, Darlinghurst

Urban Design Report & Concept Design 17 July 2018

Issue B — 218078 Issue to Council



Prepared by © Ethos Urban Pty Ltd.

CONTACT

Stefan Meissner Associate Director SMeissner@ethosurban.com.au 0478 135 449

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This document has been prepared by:

mil.

Ping Ng 17/07/2018

This document has been reviewed by:

W/W/L

Stefan Meissner 17/07/2018

The information contained in this document is for submission to the Department of Planning and Environment. The client shall make its own enquiries analysis and calculations and form its own views in relation to the use we development of the property including the application of local government and statutory controls. It is assumed that the client will rely on its own expertise in considering the information.

ACN of 50 87-931 Pty Ltd operates under a Quality Management System that has been certified as complying

ACN 615 U87 931 Pty Ltd operates under a Quality Management System that has been certified as complying with ISO 9001:2008. This report has been prepared and reviewed in accordance with that system. If the report is not signed above, it is a preliminary draft.

VERSION NO.	DATE OF ISSUE	REVISION BY	APPROVED BY
1.0 (DRAFT)	31.01.18	DP	SMe
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В	17.07.18	PN	SMe

ETHOS URBAN Ethos Urban Pty Ltd. ABN 13 615 087 931 ACN 615 087 931 www.ethosurban.com.au 173-185 Sussex Street Sydney NSW 2000 t +61 2 9956 6962

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## **Executive Summary**

This Urban Design Report has been prepared by Ethos Urban on behalf of Clarincade Investments Pty Ltd to accompany a Planning Proposal to be submitted to the City of Sydney.

The report provides an analysis of the wider and immediate context, as well as, a design rational for the proposed building massing. The report also includes a concept design to identify in more detail how a future building application may provide a sensitive and complementary architectural response.

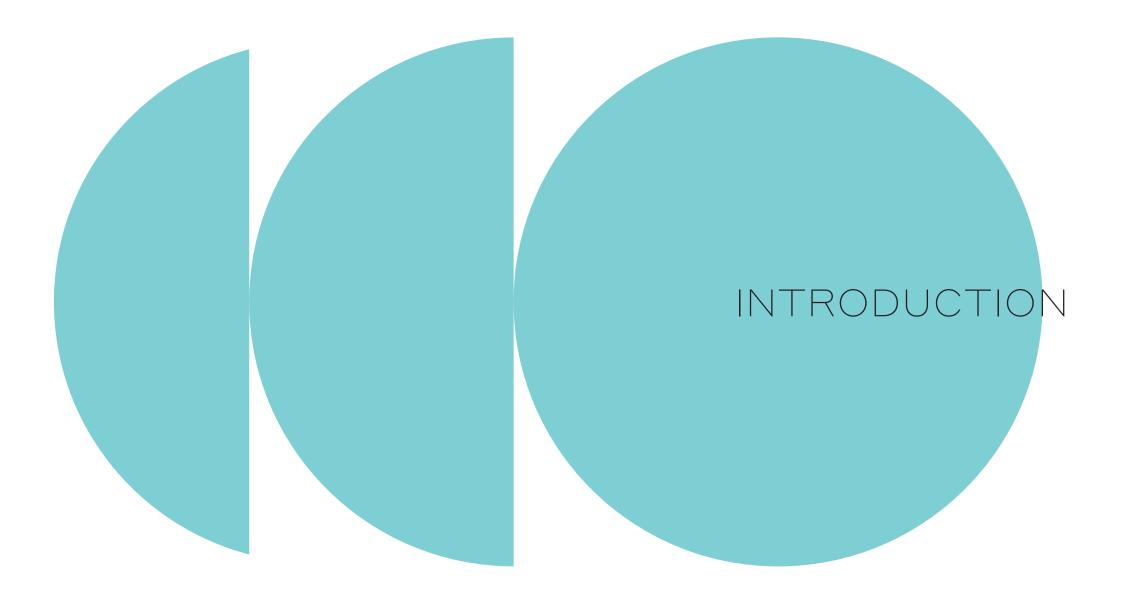






LEGEND

Subject Site



### 1.0 Introduction

#### The Site

The subject site is located on the southern side of Barcom Avenue. It is rectangular with its longer boundary facing the street. The site sits between the extension to BMW and Mini dealership to the north, which is currently under construction, and a group of terraces houses to the south. The site backs onto the Mercedes dealership in McLachlan Avenue. The street is lined by smaller and larger trees and feels very leafy. The are several heritage items north and west of the site.

A summary of the Site's attributes are listed below.

Table 1 - Site Attributes

Site Attributes		
Locality:	The City of Sydney Local Government Area (LGA)	
Site Area:	992.5 m <sup>2</sup>	
Approximate Ground RL:	15.00 - 16.00 metres front of site to 8.7 metres back of site AHD	
Approximate Frontage:	45m	
Site Address:	30-62 Barcom Street, Darlinghurst	
Lot and DP:	Lot B DP111138	
Public Transport Service:	11min (800m) walk to Kings Cross Station or 6min bus ride. 14min (1.0km) walk to Edgecliff Station.	

### Planning Controls Summary - Sydney Local Environmental Plan 2012

Lane Use Zoning:	Mixed Use
Height of Buildings:	15m
Floor Space Ratio:	2:1
Heritage Affected:	No

NOTE: The drawings in this document were prepared based on Cadastral and Topographic data made available by Land and Property Information (LPI) and based on a topographic site survey prepared by Hammond Smeallie, dated 4/6/08.

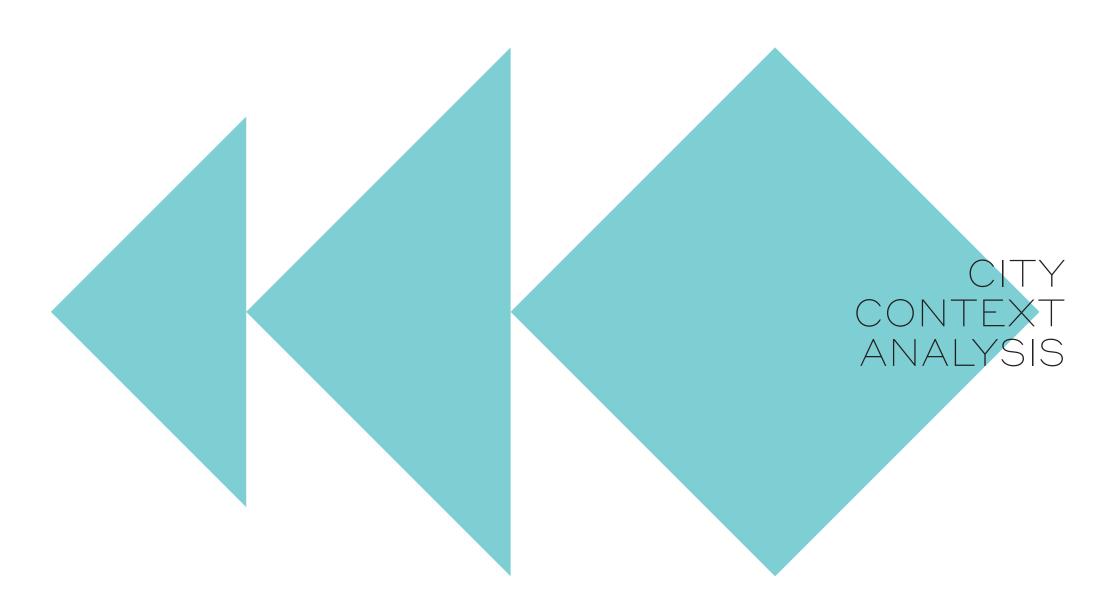
© Land and Property Information [2017]

LEGEND

Subject Site

Heritage Items around Site



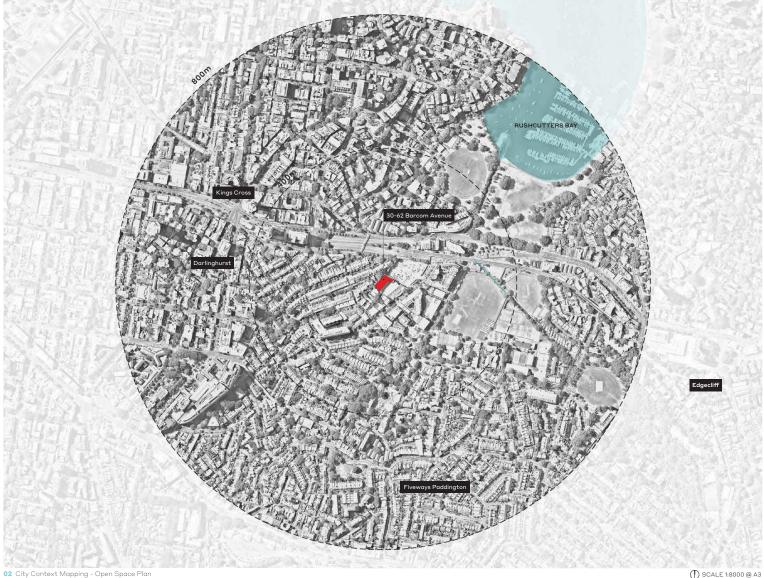


## 2.0 City Context Analysis

#### 2.1 Aerial

The site sits on the edge of the mixed-use Rushcutters bay precinct which is bound by Barcom Avenue, Nield Avenue/Boundary Street, New South Head Road and Liverpool Street. Building typologies and use in this precinct are extremely heterogenic - big footprint car dealerships and repurposed warehouses mix with recently built apartment buildings and small scale commercial

Outside the precinct the predominant built form is traditional terrace houses which line the street up and down in the back of Darlinghurst and Paddington. Topographically, the mixed-use precinct forms the valley aligned with the bay and surrounded by the Oxford Street and Victoria Street ridge lines.



LEGEND

Subject Site

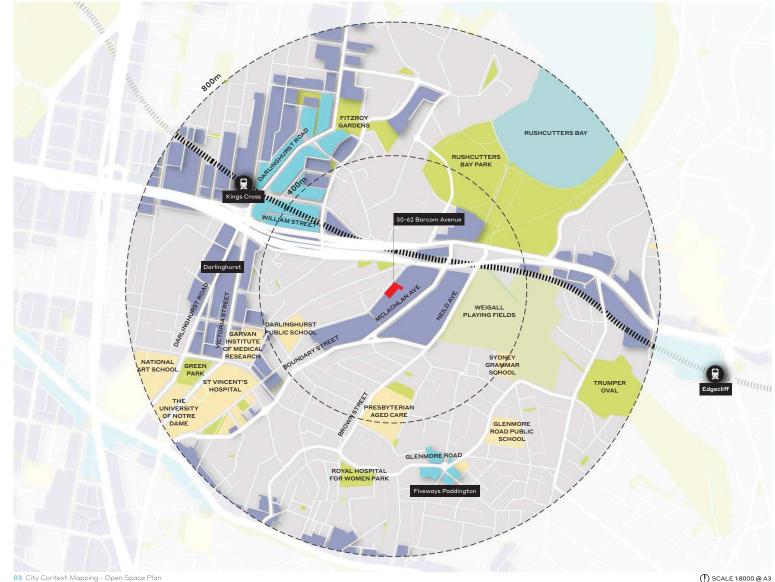
[\_\_\_] 400/800m Catchment Area

### 2.0 City Context Analysis

# 2.2 Surrounding amenity, local centres and mixed-use precincts

The Site is located in a high amenity neighbourhood and is situated on the edge of an area zoned B4 Mixed Use under the Sydney Local Environmental Plan 2012 (SLEP 2012). Surrounding local centres include Kings Cross, Edgecliff, Fiveways Paddington, and Darlinghurst. All of which are in a five to ten minute walking distance.

The Site is also in close proximity to major public open spaces such as parks and the Sydney Harbour foreshore at Rushcutters Bay and in close range of community/institutional facilities such as St Vincent Hospital, The University of Notre Dame and the National Art School.



Subject Site

400/800m Catchment Area

Road Network

III (1) Train Line/Station

Rushcutters Bay

Public Open Space

Private Open Space

Zoning - Local and Neighbourhood Centres

Zoning - Mixed Use Areas

Community/Institutional Facilities

### 2.0 City Context Analysis

### 2.3 Public Transport

The Site is well accessed by public transport. There are several bus and rail stops including Kings Cross and Edgecliff stations.

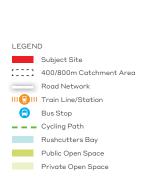
Bus routes surrounding the Site include:

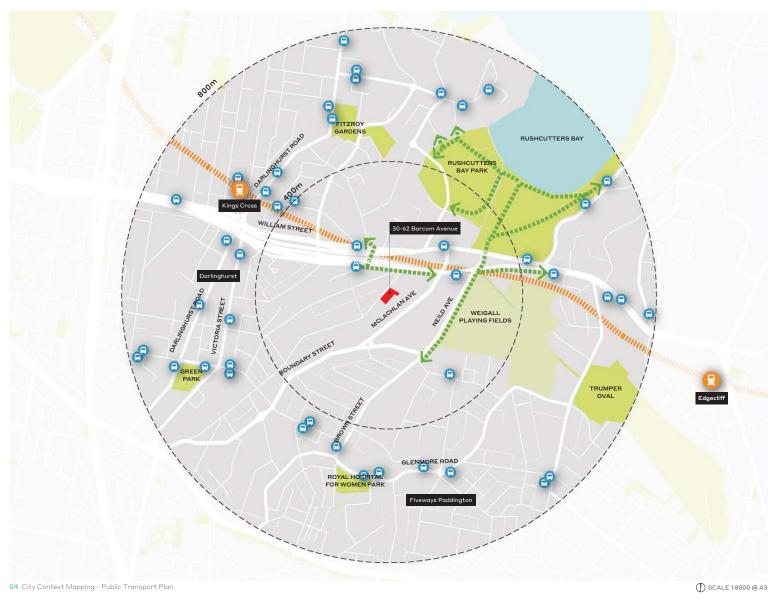
- Routes 200, 324, 389, 325 and L24.
- Route 325 Site to CBD, travel time is 16mins, runs every 15 mins.
- Route 389 Site to Bondi junction, travel time is 15mins, runs every 15 mins.

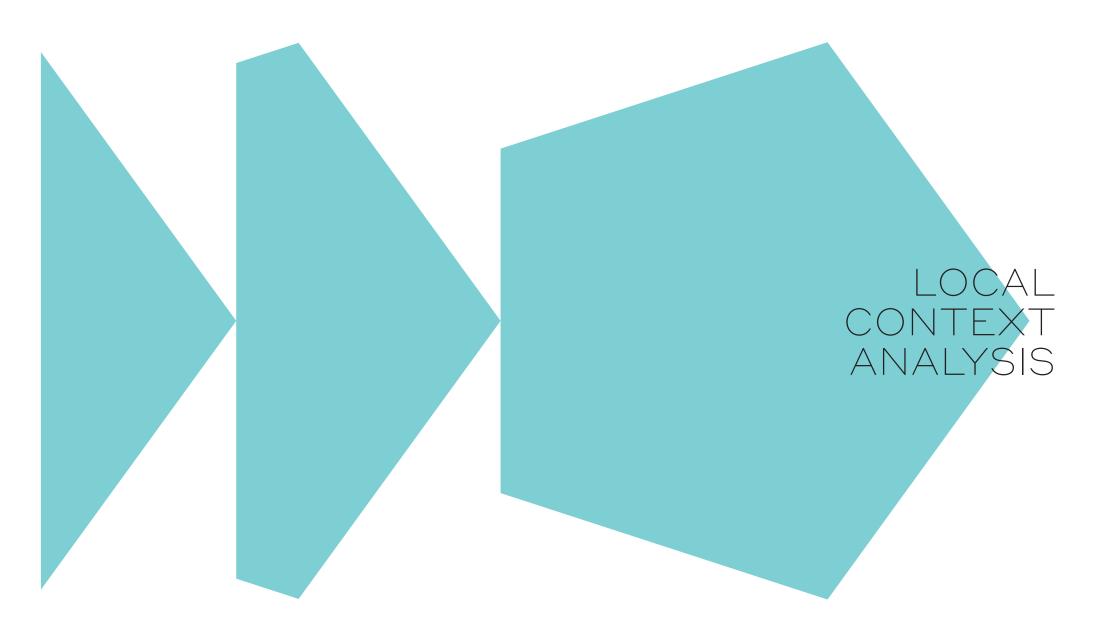
The Site is also within close driving proximity to the CBD and Pyrmont's Creative Industry Hubs.

Distances and travel times are :

- 2.8km to CBD (8-10min by Taxi)
- 4.4km to Pyrmont (10-15min by Taxi)







### 3.1 Transport & Movement

The Site is located within a highly walkable neighbourhood that is well connected by public transport and arterial roads. Large blocks are broken up by pedestrian lanes and thoroughfares. Arthur Reserve and Womerah Gardens are two pocket parks with immediate proximity providing good public amenity.

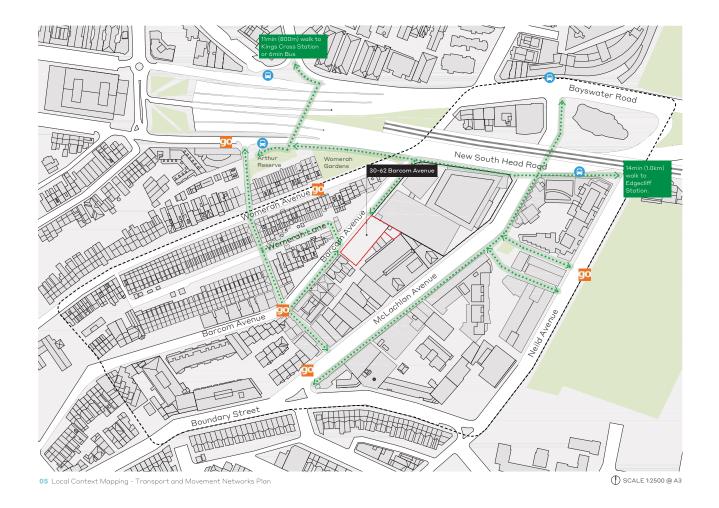
The Site is approximately 150m from a pedestrian bridge connecting pedestrians to Kings Cross station and Rushcutters Bay to the north. Kings Cross Station is a 11min (800m) walk or 6min bus ride while Edgecliff Station to the east is a 14min (1.0km) walk.

The closest bus stop is located at Arthur Reserve which includes services 325. This service connects the Site to the CBD in 16mins and runs every 15 mins.

600m walk from the Site is the 389 bus stop. This service connects the Site to Bondi junction in 15mins and runs every 15 mins.

There are five GoGet Careshare spots available within 400m from the Site.

LEGEND
Precinct Study Area
Subject Site
Bus Stop
GoGet Carshare
(approximate locations)
Pedestrian Movement

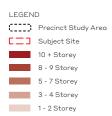


### 3.2 Building Heights

The precinct study area (refer to **Figure 06**) consists of buildings that range from 1-2 storeys to buildings that are over 10 storeys in height. This is largely due to the areas renewal which has introduced mixed-use as well as residential apartment typologies.

The Site is primarily surrounded by buildings ranging from 2-4 storeys. Land to the north-east of the Site is currently under construction for an expanded BMW & Mini showroom, which once complete will be 4 storeys in height. Residential terraces 2 storeys in height are located to the Site's south.

The site faces the rear of terraces houses in Womerah Avenue. These houses are two and a half storeys to the street but due to the topography and falling land feel considerably taller at three and a half storeys towards Barcom Avenue.



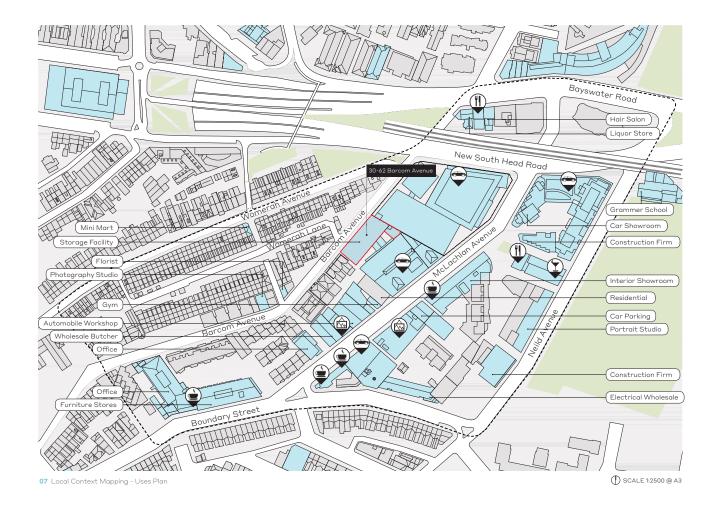


### 3.3 Uses

The Site is surrounded by two very distinct neighbourhoods. To the north-west and south-west the area is primarily characterised by fine grain of residential dwellings with a strong heritage character, while to the north-east and south-east the neighbourhood consists of larger lot commercial warehouses and mixed-use and apartment developements. The Site sits on the boundary of both neighbourhoods.

The proposed co-working use is considered suitable for the Site as it is somewhat domestic in nature and creates a low impact on the surrounding neighbours. Occupants will benefit from quiet residential streets as well as high surrounding amenity found within both neighbourhoods such as a variety of services, retail outlets, cafés and restaurants.





### 3.4 History of The Site and **Urban Morphology**

The Site and its surrounding land has along history of commercial uses dating back to the establishment of the first water mill in the colony at Barcom Glen in 1810.

More recent aerial images (1943 and 2015) show that the Site and the residential neighbourhood to the west and directly south have undergone very little change.

The most notable changes are in the area to the north and Other changes include the widening of the road reserve east of the Site. This area has transformed into a mixed use neighbourhood with most of the industrial warehouse buildings bound by McLachlan Ave and Neild Ave replaced by mixed use devleopments and commercial buildings, most of which have retail at ground floor.

below the train line to make way for the William Street and Cross City Tunnel and a pedestrian bridge linking the Site to Kings Cross and Rushcutters Bay to the north.







() NOT TO SCALE @ A3

LEGEND

Subject Site

LEGEND

Subject Site

08 Local Context Mapping - Six Maps 1943 Imagery

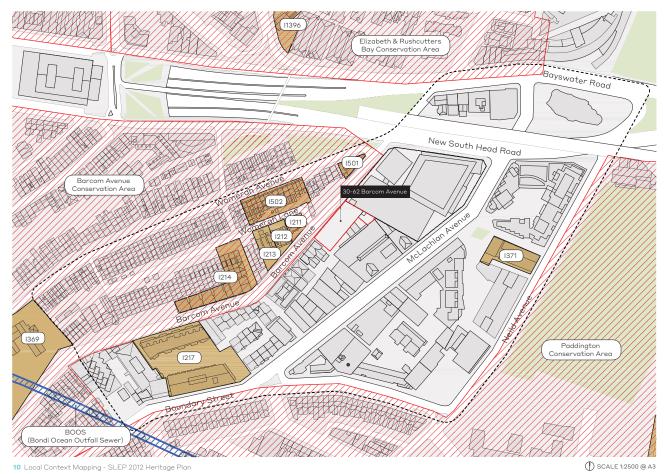
### 3.5 Heritage

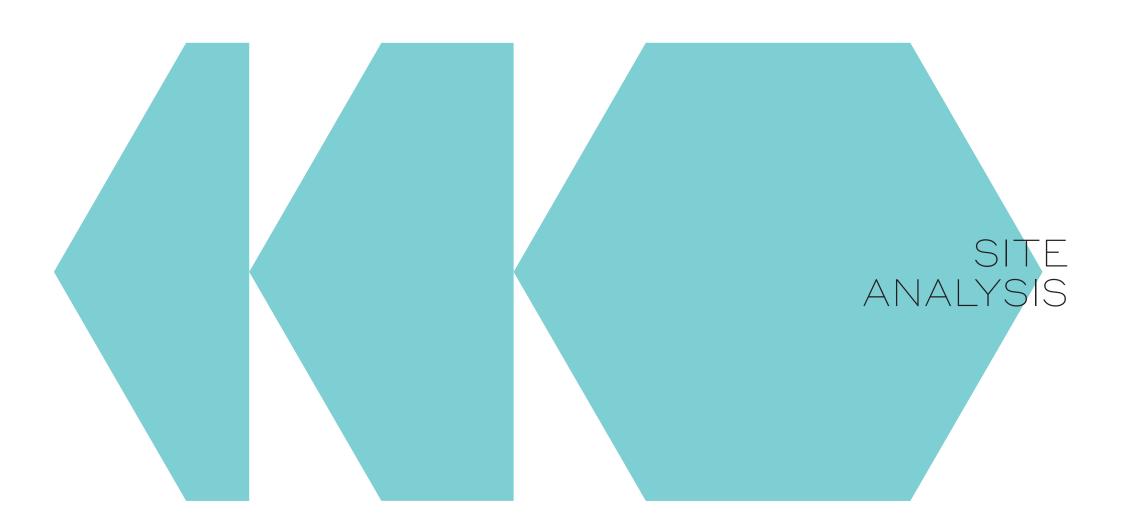
The Site is not a heritage item or within a heritage conservation area. The Site is opposite the Barcom Avenue Conservation Area (CA4) which extends to the western side of Barcom Avenue. The Site is in close proximity to a number of heritage items such as detailed in Figure 10.

Table 2 - Heritage Items around the Site (SLEP 2012)

Item No.	Item Name	Address
1211	Terrace group part of "Barcom Mews" including interiors, front fences and gates	1-3 Barcom Avenue
1212	Terrace group including interior and front fence	5-9 Barcom Avenue
1213	Terrace group part of "Barcom Mews" including interiors	11-15 Barcom Avenue
1214	Terrace group including interiors	23-47B Barcom Avenue
1217	Warehouse including interior	15-19 Boundary Street
1369	Darlinghurst Public School group including buildings and their interior, site landscaping and grounds	350 Liverpool Street
1371	Former Advanx Industrial Car Assembly Hall including interior	34-52 McLachlan Avenue
1501	Flat building "Corinthians" including interior	2-6 Womerah Avenue
1502	Terrace group part of "Barcom Mews" including interiors and fencing	18A-40 Womerah Avenue
11396	St Canice's Roman Catholic Church including interior and grounds	24-28 Roslyn Street







## 4.0 Site Analysis

### 4.1 Site Photos - Residential Neighbourhood



11 View 1 - Looking south at the Site's primary frontage



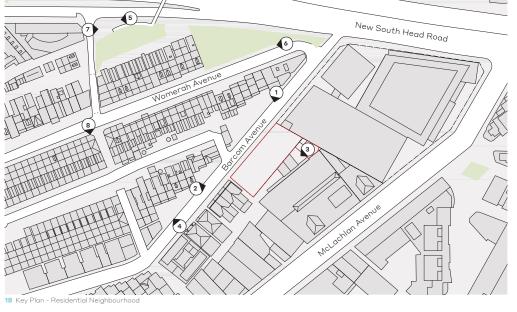
2 View 2 - Looking north east at the Site's primary frontage



19 View 3 - Looking towards the residential interface to the rear of the



5 View 4 - Surrounding residential character





16 View 5 - Bus stop located north of Arthur Reserve



17 View 6 - Womerah gardens pocket park



13 View 7 - Arthur Reserve and access ramp to pedestrian bridge



14 View 8 - Mini-mart located within residential neighbourhood

## 4.0 Site Analysis

### 4.2 Site Photos - Mixed Use Neighbourhood



20 View 9 - Pedestrian stairs joining Barcom and McLachlane Avenue



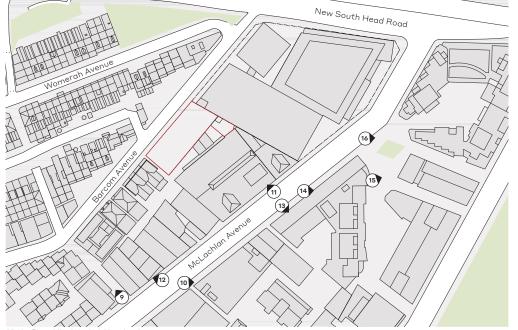
21 View 10 - Cofe located below commercial buildings



24 View 11 - Mercedes-Benz showroom



25 View 12 - Dominik Mersch Gallery



28 Key Plan - Mixed Use Neighbourhoo



26 View 13 - ArtHouse Gallery



27 View 14 - JANUS et Cie, Luxury Outdoor Furniture



22 View 15 - Mixed Use development, Marta Osteria Restaurant



23 View 16 - Mixed use development and plaza, office and vehicle showroom on ground level

### 4.0 Site Analysis

## 4.3 Opportunities & Constraints

A summary of the Site's opportunities and constraints are listed below.

Opportunities	
Site orientation	Orientation of the Site permits appropriate lighting and is well suited for a coworking environment. The Site's longest facade runs along its primary street frontage.
Proximity to public transport	The Site is within close proximity to bus and rail stops including Kings Cross and Edgecliff stations.
Walkability	The surrounding streets, block structure and trees allow for a highly walkable environment of great amenity.
Contribute to a mixed use precinct	The Site is located within a mixed use precinct with a variety of services, retail outlets, cafés and restaurants.
Access to public open space	The Site is within immediate proximity to pocket parks such as Womerah Gardens and Arthur Reserve. Rushcutters Bay Park and the Harbour Foreshore are 400m or a 5 min walk from the Site.
Noise and pollution	The Site is located on a quite residential street away from the pollution and noise on New South Head Road.
Warehouse character	While not heritage, the Site's warehouse character is remnant of the neighbourhood's past. Preservation of the existing building is encouraged through the addition of new levels.
Constraints	
Sensitive residential interfaces & overshadowing	Located to the south-west of the Site are sensitive residential interfaces that include balconies and private open space.
Residential neighbourhood character & scale	The surrounding neighbourhood has a character of fine grain terrace houses.

Commercial Interface

Residential Interface



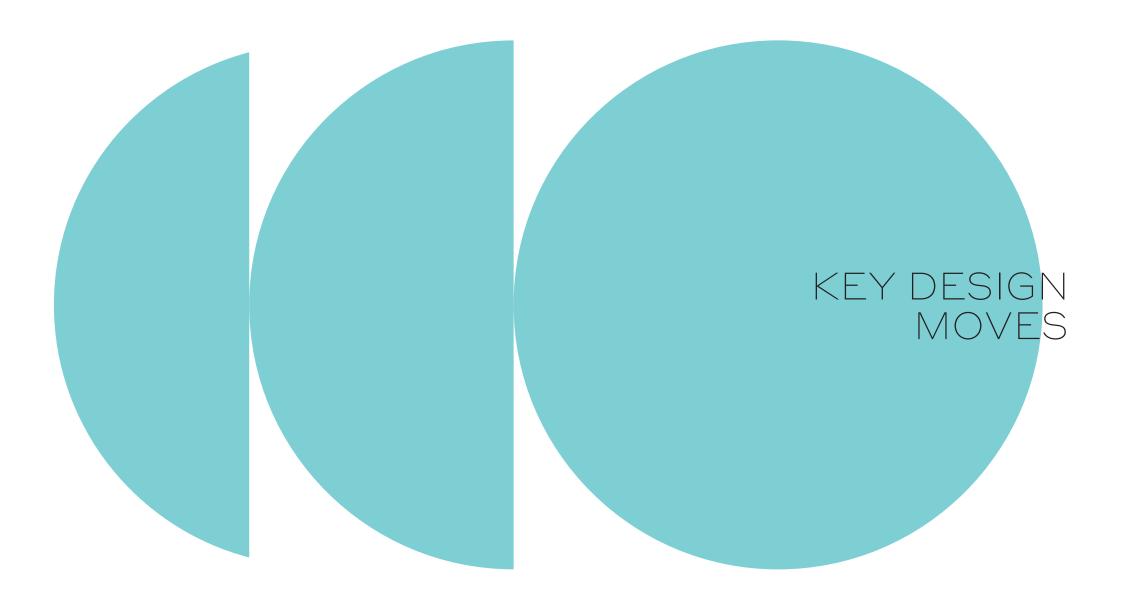
11min (800m) walk to Kings Cross Station or

6min Bus

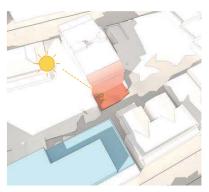
Bus Stop

Sensitive Interface
Private Open Space
Pedestrian Network

IIIIIIIII Train Line

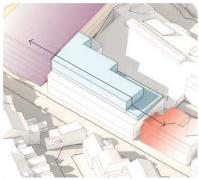


### 5.0 Key Design Moves



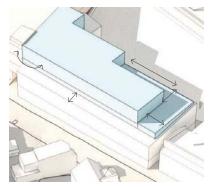
#### No additional overshadowing to adjacent private open space

- South of the Site are courtyards and balconies that belong to residents of 61-63 McLachlan Avenue.
- The proposed envelope must ensure that these areas do not receive additional overshadowing between the hours of 9am-3pm on 21st June.



## 2. Transition height from north to south responding to context

- The extention to the exiting warehouse on the site is to provide a height transition between the BMW & Mini showroom to the north of the Site which will be 4 storeys in height.
- It is recommended that additional levels match the roof height of the BMW building and transition height downwards to the Site's residential interface. This will create and gradual transition in the street wall.



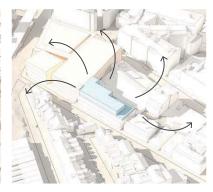
## 3. Setback upper levels from the street and to surrounding residences

- Additional levels must be setback from the street and to adjoining residential lots in order to reduce the visual bulk and scale of the building and to retain the current 2 storey street wall height.
- Setbacks to align with the BMW building so that the upper levels do not protrude forward.
- Street setbacks will allow the building to retain the existing streetscape character, reinforce the streets human scale and to minimise its overshadowing impact on surrounding development.
- Side and rear setbacks created to avoid overshadowing adjacent backyards.



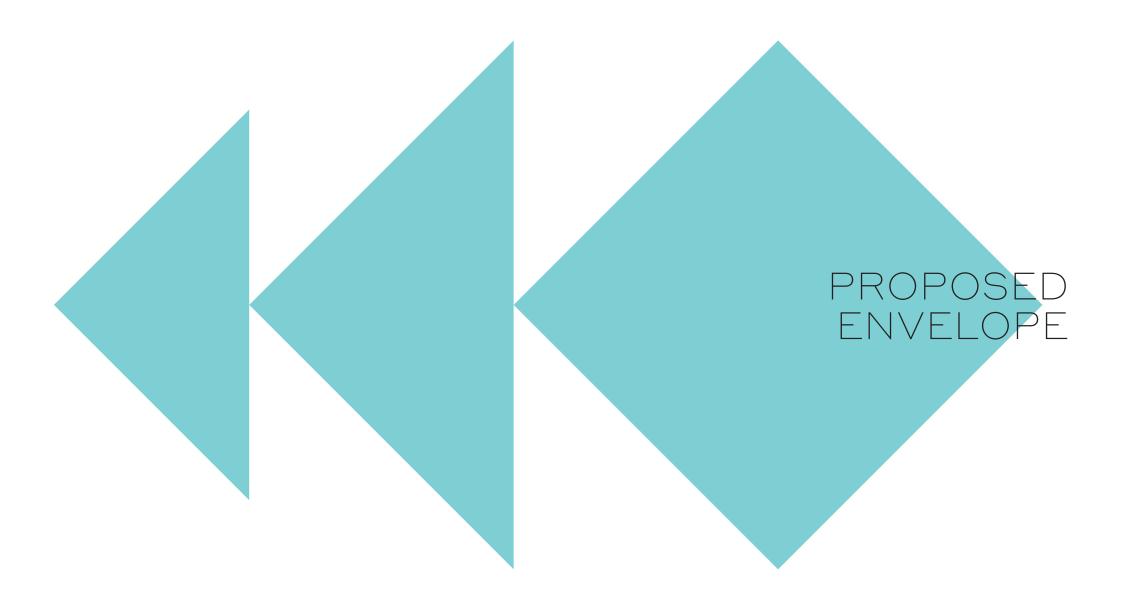
## 4. Architectural character of building to respond to fine grain neighbourhood

- New works to have contemporary architectural expression which needs to respond to built form context such as scale of subdivision pattern and degree of architectural detailing within the Barcom Avenue heritage area.
- While not heritage listed the Site's warehouse character, scale of openings and large subdivision is remnant of the neighbourhoods past.



## 5. Contribute to a vibrant mixed-use precinct

- The Site is primarily surrounded by large commercial and retail tenancies such as car sales and service centres, furniture shops and art galleries.
- The creation of co-working space will add a new type of work place in the precinct and create a high quality, domestic style environment for small businesses which picks up on the residential context.
- Businesses will have access to the exceptional amenity within the neighbourhood which includes parks, transportation, cafés, bars, restaurants and retail stores.



### 6.1 Indicative Envelope Plan

The proposed building envelope is shown in **Figure 30**. Additional levels are shown in blue and are set back from the street and to the residential development to the south.

**NOTE:** The drawings in this document were prepared without a survey. Cadastral and Topographic data has been made available by Land and Property Information (LPI). Ethos Urban has used this data to inform the outputs of this project.

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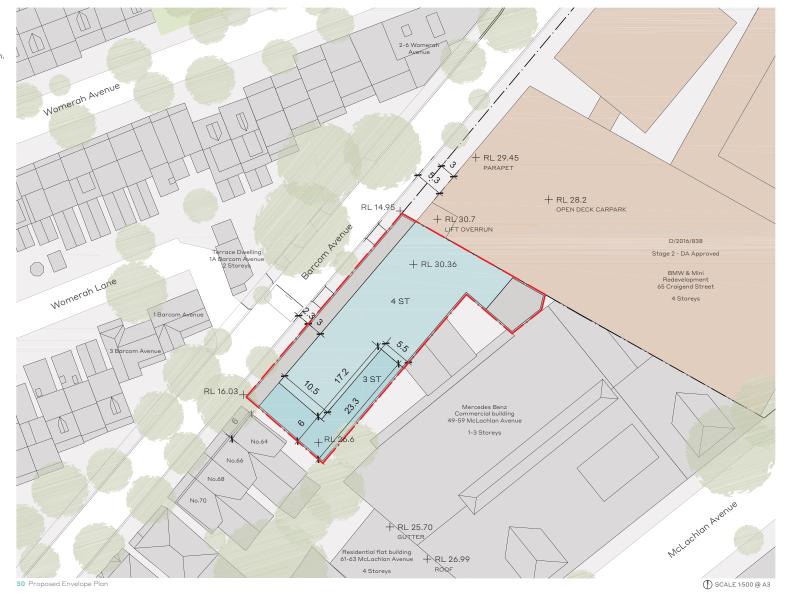
LEGEND

Subject Site

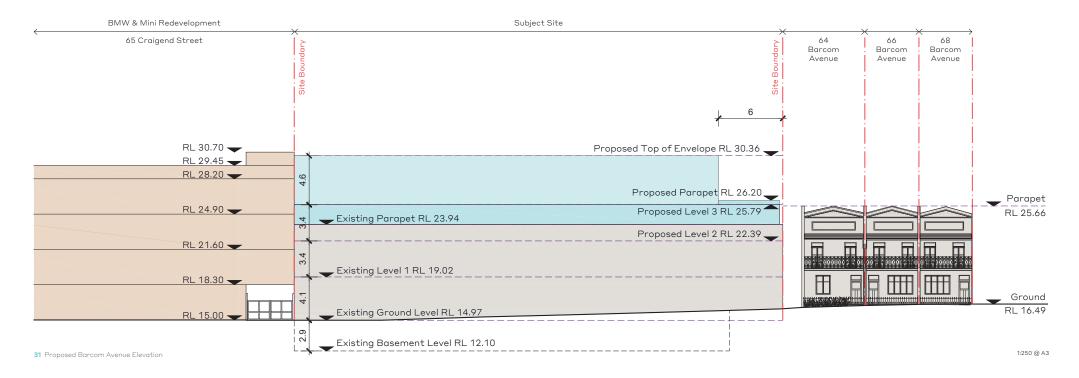
MW Site Boundary

DA Approved BMW Building
Existing Building on Site
Potential Additional Level 2

Potential Additional Level 3



#### 6.2 Indicative Barcom Avenue Elevation



**NOTE:** The drawings in this document were prepared without a survey. Cadastral and Topographic data has been made available by Land and Property Information (LPI). Ethos Urban has used this data to inform the outputs of this project.

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#### LEGEND

Subject Site

DA Approved BMW Building

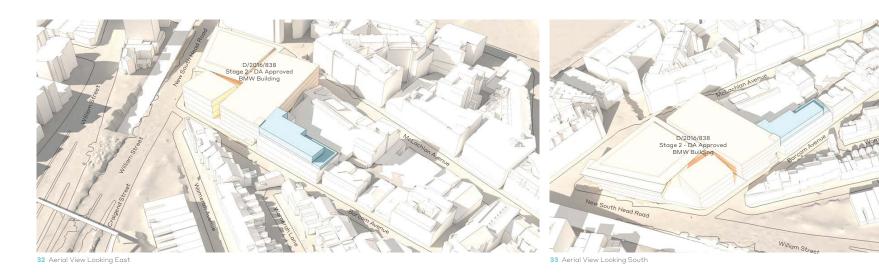
Existing Building on Site

Potential Additional Level 2

Potential Additional Level 3

### 6.3 3D Perspectives in Context

34 View from Craigend Street looking South West towards Barcom Avenue



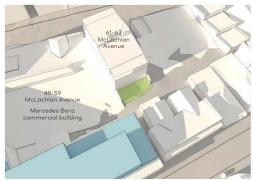


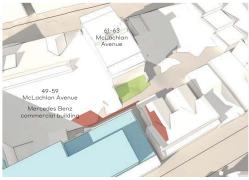
35 View from Barcom Avenue looking North East towards Craigend Street

D/2016/838 Stage 2 - DA Approved BMW Building ▼RL 25.66

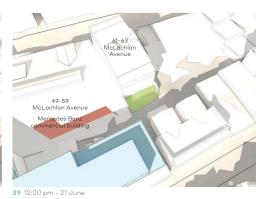
▼RL 30.36

### 6.4 Shadow Diagrams



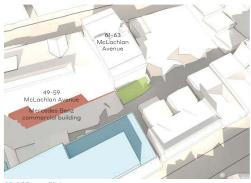


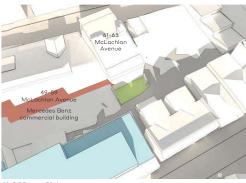


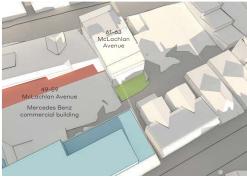


36 9:00 am - 21 June

37 10:00 am - 21 June







The proposed envelope will not have any additional overshadowing on the private open space and windows to habitable rooms of the residential flat building at 61-63 McLachlan Avenue on 21 June between the hours of 9am-3pm.

40 1:00 pm - 21 June

41 2:00 pm - 21 June

42 3:00 pm - 21 June

LEGEND

Additional Levels 2 and 3

Private Open Space at Rear of 61-63 McLachlan Avenue

Existing Shadows

Additional Shadows Cast by Proposed Envelope

## 6.5 Street Level Photomontage View 1

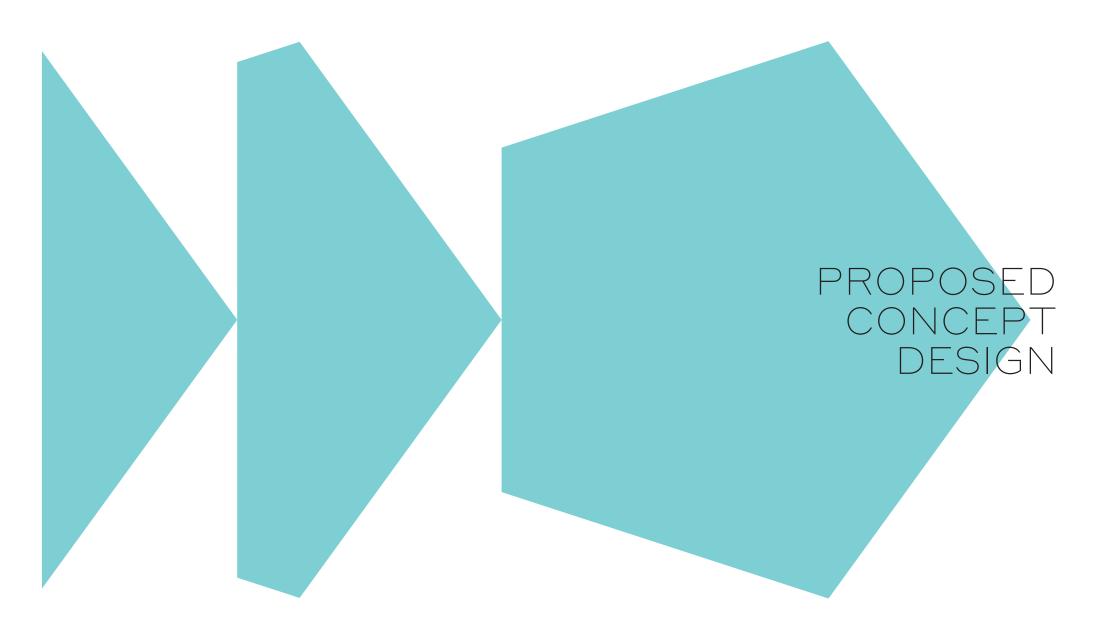


43 View looking South West down Barcom Avenue - BMW Interface

## 6.6 Street Level Photomontage View 2



44 View from Barcom Avenue looking North East - Residential Interface



### 7.1 Proposed GFA

Level	GFA
Basement	675 m²
Ground Floor	840 m²
Level 1	860 m²
Level 2	700 m²
Level 3	460 m²
Total GFA	Approx. 3,535 m <sup>2</sup>

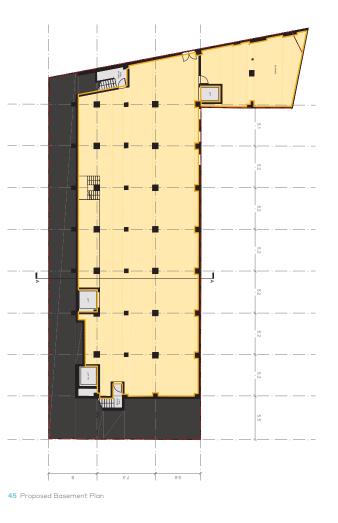
Proposed GBA	Approx. 4,075 m <sup>2</sup>
Proposed GFA	Approx. 3,535 m <sup>2</sup>

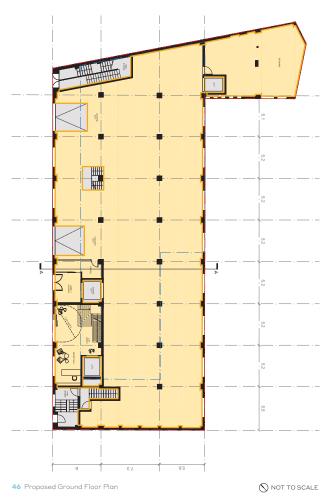
Efficiency\* 87

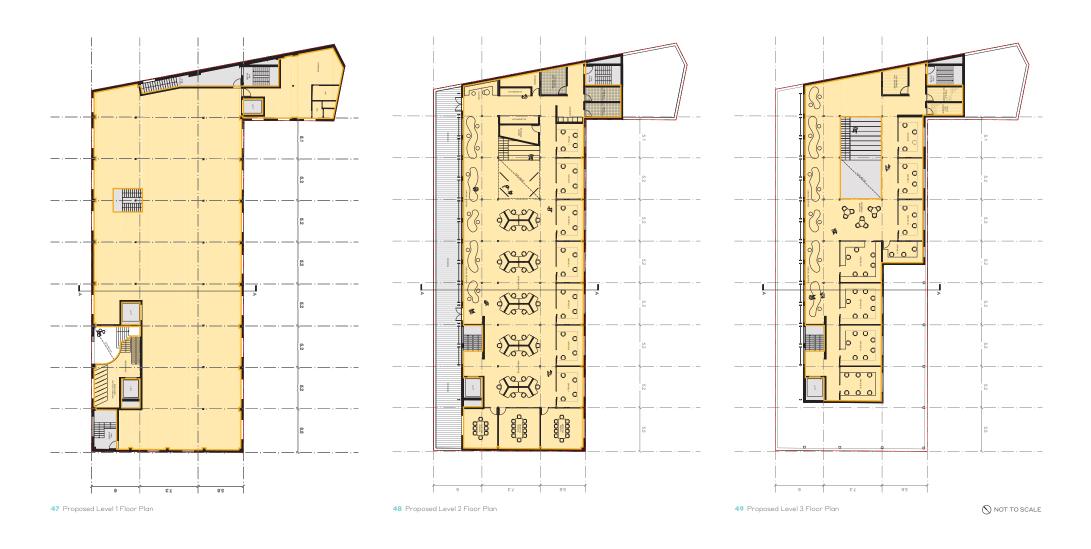
\*The industry standard GBA to GFA efficiency for commercial buildings is typically between 85-90%. The proposed concept design sits within this range at 87%.

Site Area	992.5 m²
FSR	3.56:1

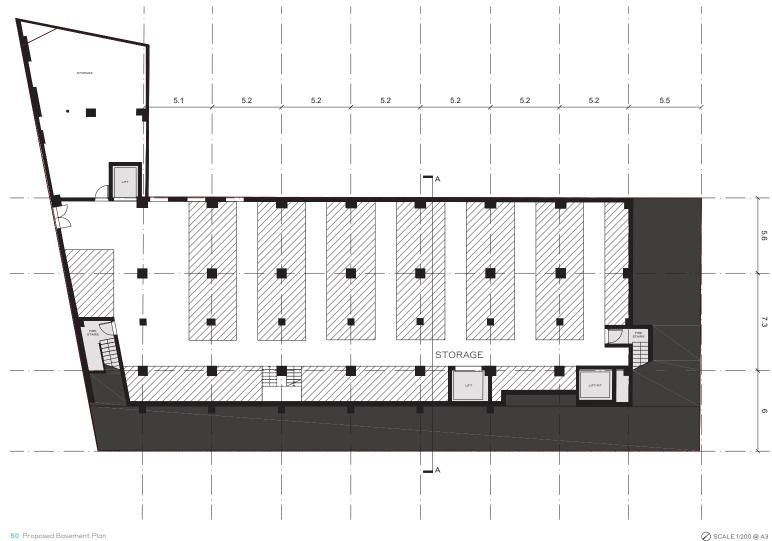








### 7.2 Basement Plan

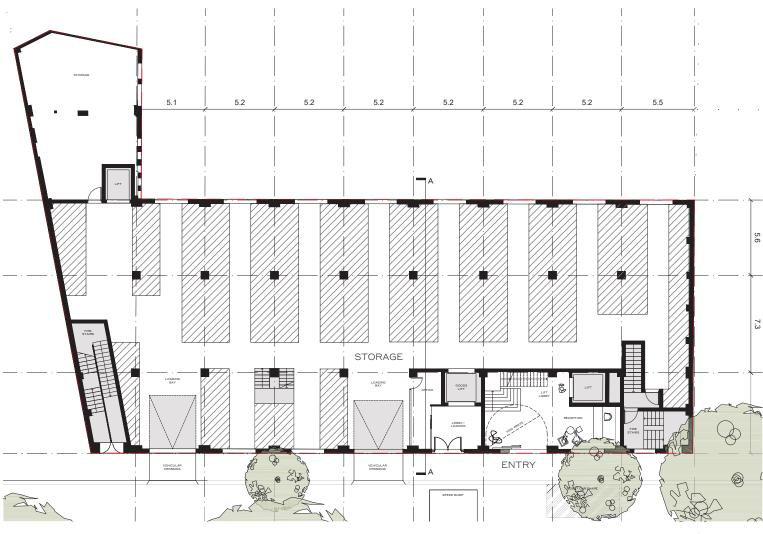


LEGEND

☐ : ☐ Subject Site Storage Units

50 Proposed Basement Plan

### 7.3 Ground Floor Plan

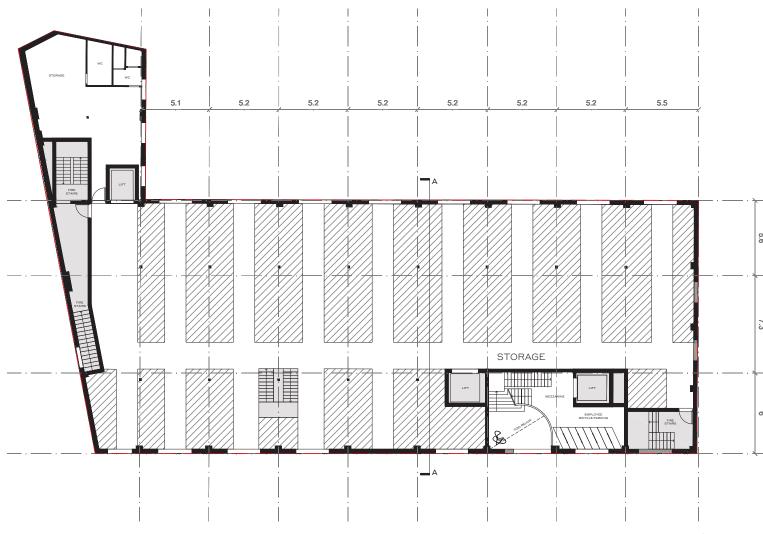


LEGEND

Subject Site
Storage Units

51 Proposed Ground Floor Plan

### 7.4 Level 1 Floor Plan

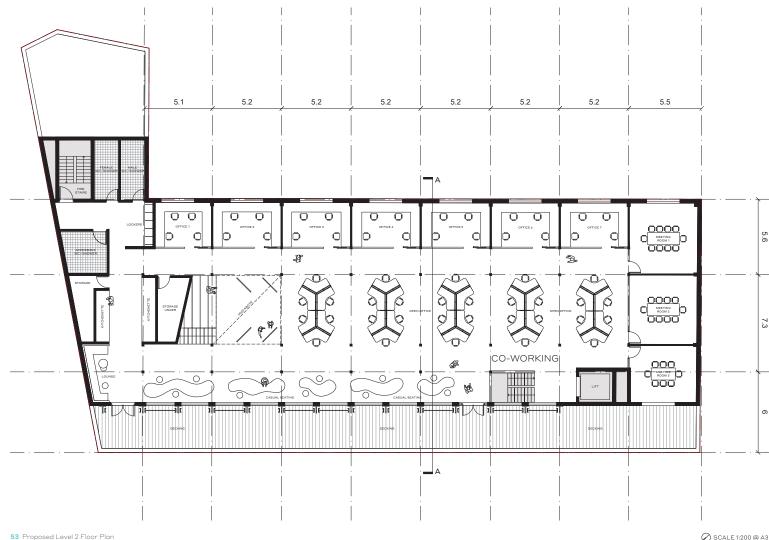


LEGEND

Subject Site
Storage Units

52 Proposed Level 1 Floor Plan

### 7.5 Level 2 Floor Plan

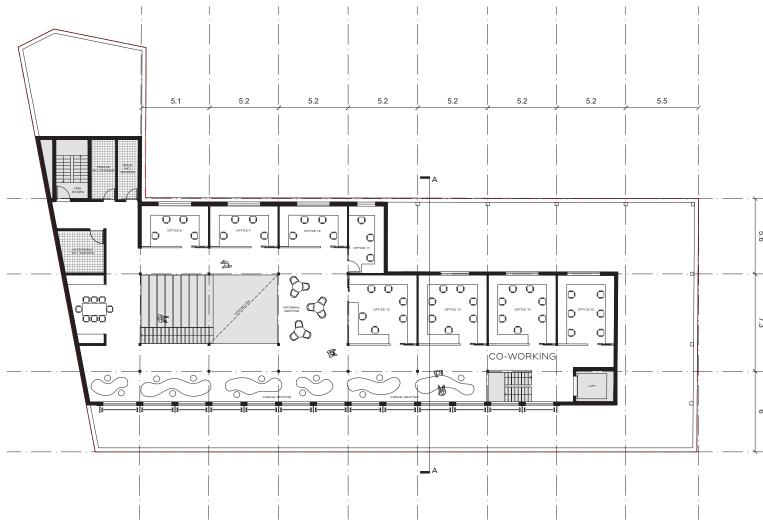


LEGEND

☐ : ☐ Subject Site

SCALE 1:200 @ A3

#### 7.6 Level 3 Floor Plan

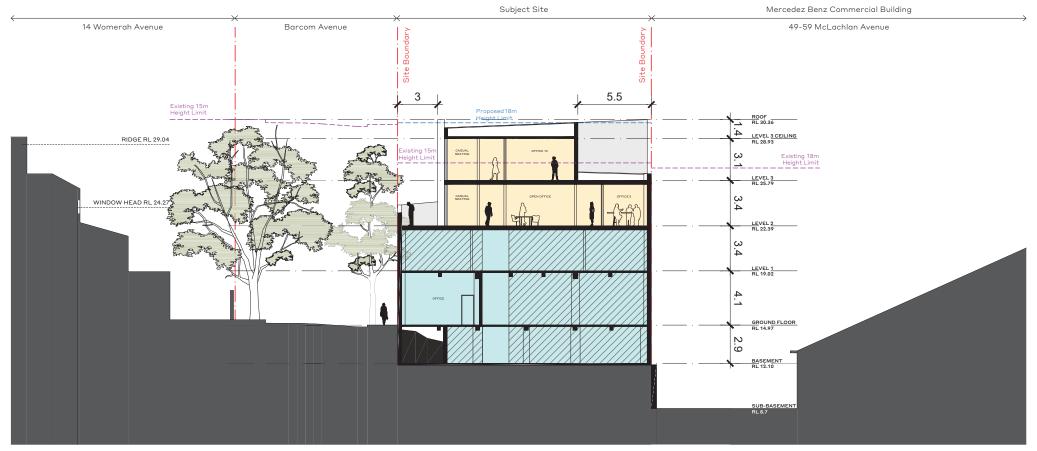


LEGEND

Subject Site

55 Proposed Level 3 Floor Plan

#### 7.7 Section



56 Proposed Section SCALE 1:200 @ A3

LEGEND

Subject Site
Storage Units

Coworking Spaces

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#### 7.8 Barcom Avenue Elevation



57 Proposed Barcom Avenue Elevation



Old - New Brick Facade

Juanita Nielsen Community Centre, Woolloomooloo NSW
(Neeson Murcutt Architects)



Textile design awnings
Sunsilk awning cover
(Markilux)



(3) Mild steel with micaceous iron-oxide paint finish Former Rocks Police Station, The Rocks NSW (Welsh+Major)



Powder coated aluminium profiled sheet cladding 192 Shoreham Street, Sheffield UK (Project Orange)

### 7.9 3D Photomontage

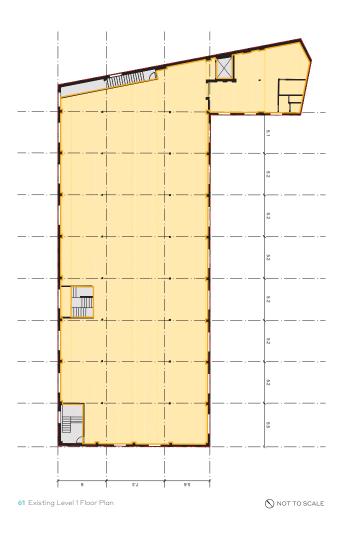


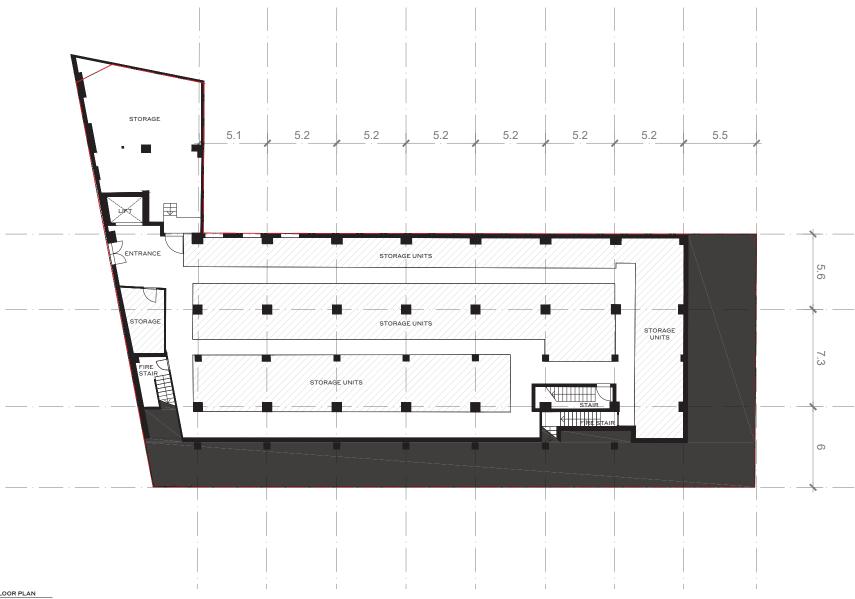
58 3D Photomontage of the proposed concept design

# Appendix A

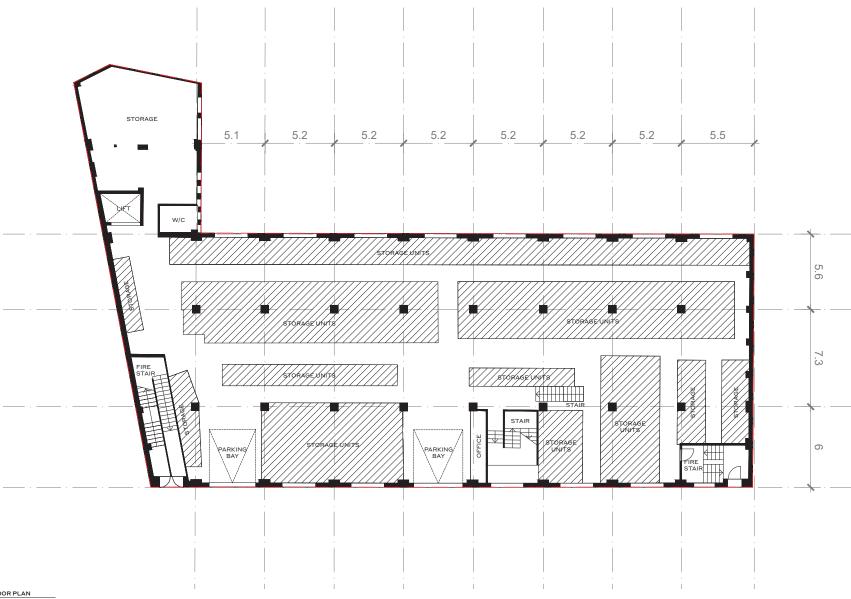


#### **Existing GFA** Level GFA Basement 670 m<sup>2</sup> Ground Floor 867 m² Level 1 895 m² Total GFA Approx. 2,432 m<sup>2</sup> Existing GBA Approx. 2,731 m<sup>2</sup> Existing GFA Approx. 2,432 m<sup>2</sup> 89% Efficiency Site Area 992.5 m<sup>2</sup> FSR 2.45:1 LEGEND ☐ : ☐ Subject Site Existing GFA NOT TO SCALE 59 Existing Basement Plan 60 Existing Ground Floor Plan



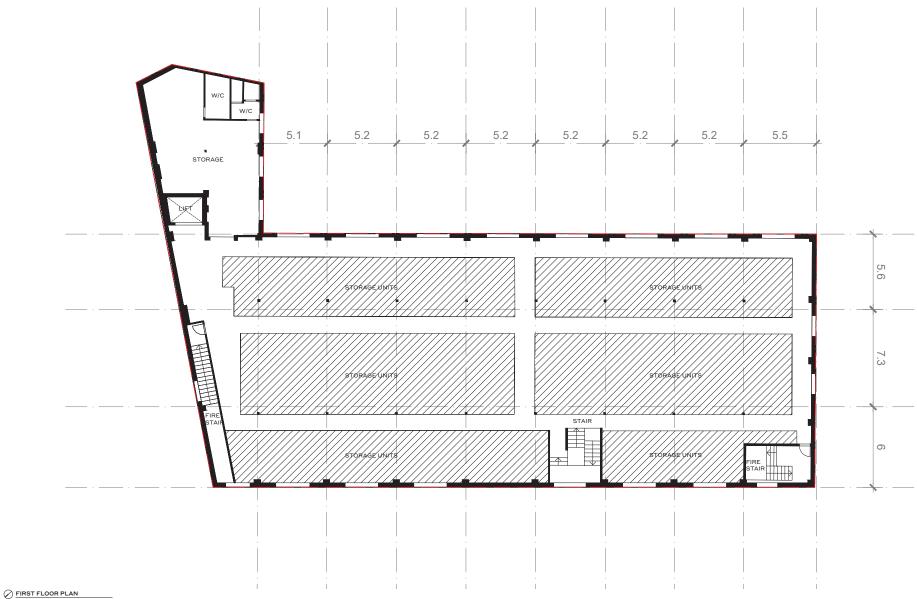


SCALE 1:200 @ A3

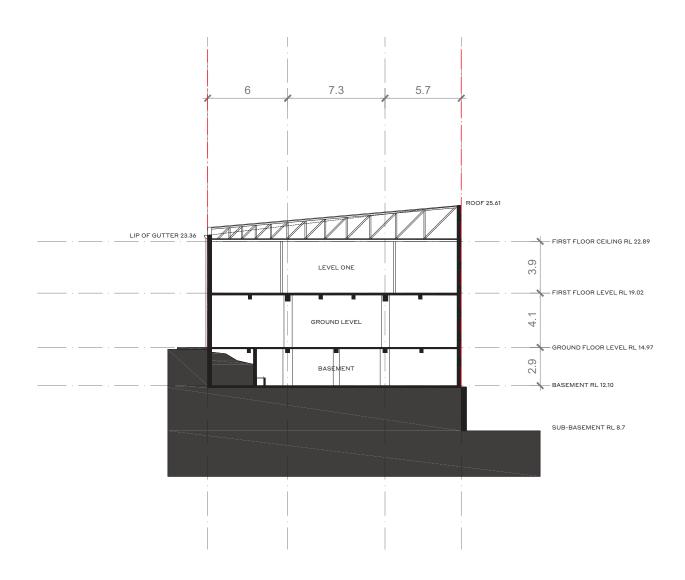


GROUND FLOOR PLAN

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SCALE 1:200 @ A3

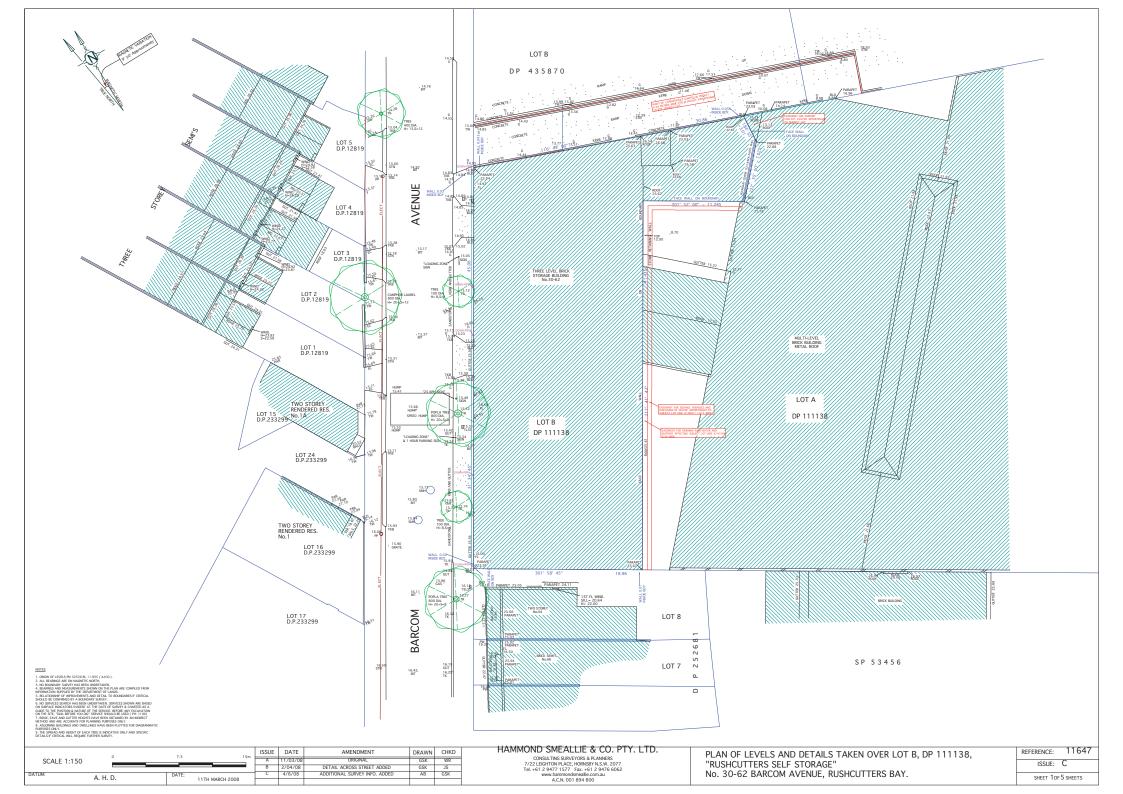


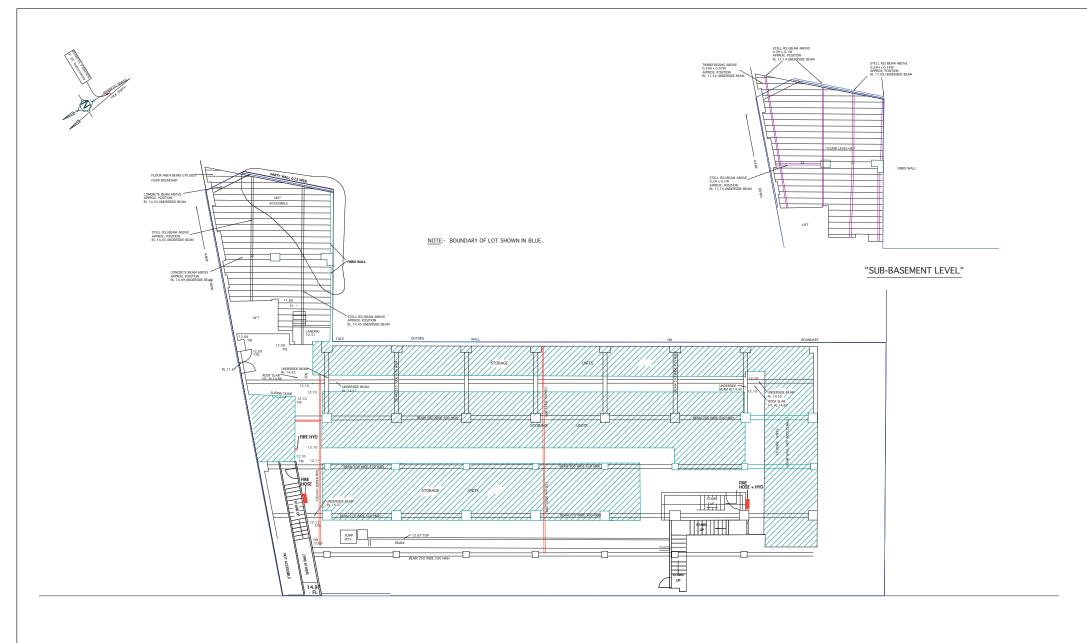
SECTION AA

SCALE 1:200 @ A3

## Appendix B







BARCOM

#### "BASEMENT LEVEL"

HAMMOND SMEALLIE & CO. PTY. LTD.

CONSULTING SURVEYORS & PLANNERS
7/22 LEGISTOR PLACE, MORSEN'S M.S.W. 2077
16. - 61 29471 1377 Fax. + 61 29476 662
www.harmond.au
ACM. 001 894 800

PLAN OF LEVELS AND DETAILS TAKEN OVER LOT B, DP 111138,
"RUSHCUTTERS SELF STORAGE"
No. 30-62 BARCOM AVENUE, RUSHCUTTERS BAY.

REFERENCE: 11647

ISSUE: C

SHEEZ OF SHEETS



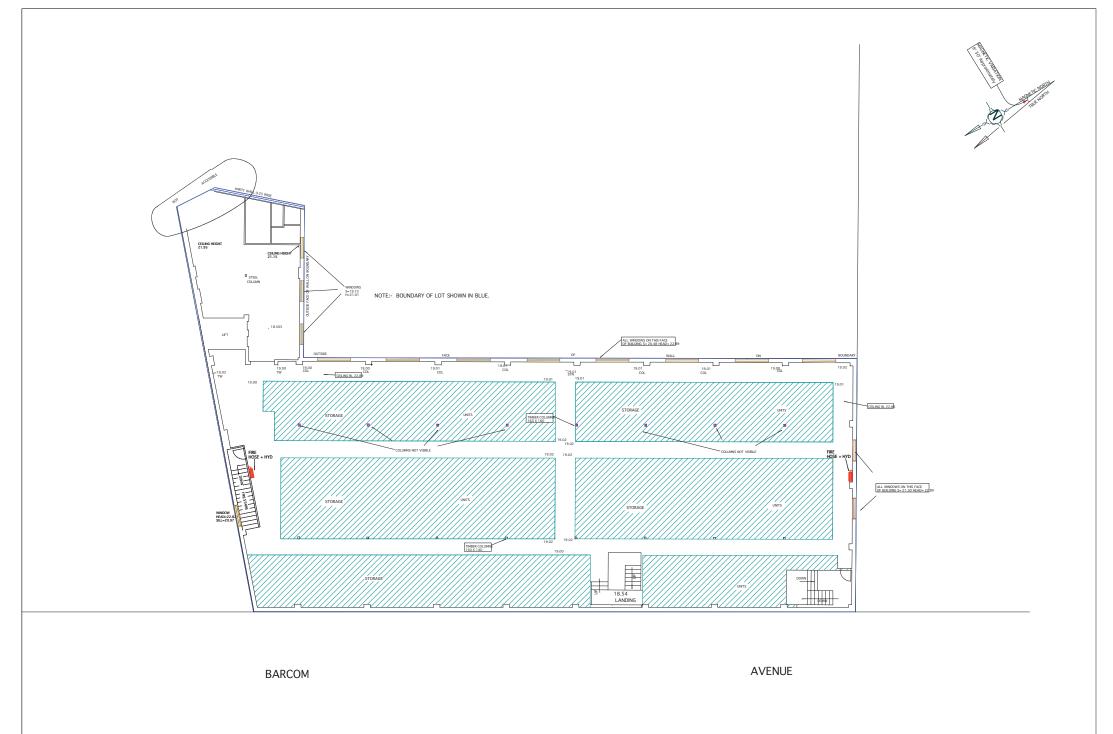
A. H. D.

11TH MARCH 2008

"RUSHCUTTERS SELF STORAGE"

No. 30-62 BARCOM AVENUE, RUSHCUTTERS BAY.

ISSUE: C SHEET 30F 5HEETS



HAMMOND SMEALLIE & CO. PTY. LTD.

CONSULTING SURVEYORS & PLANNERS

7/22 LEGISTON PLACE, HORMSST N.S.W. 2077

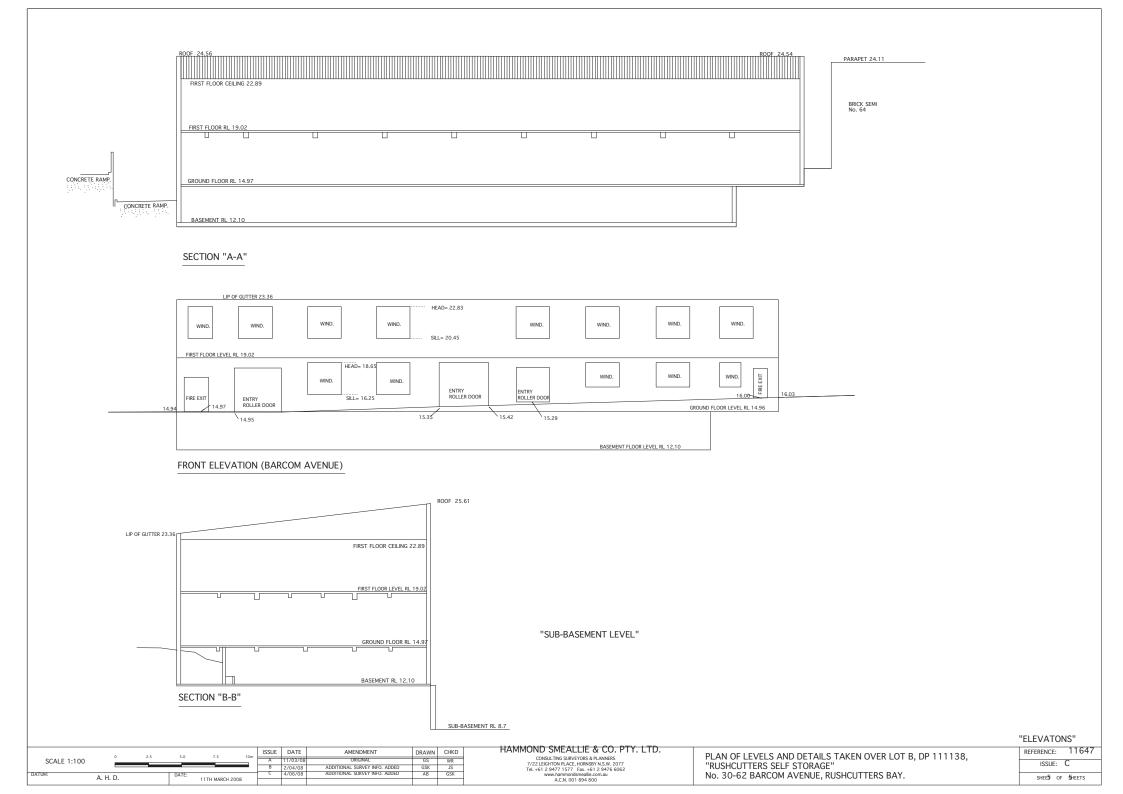
Tel. 40 2 9471 1577; Fax. 461 2 9476 6062

WWW.MACON. 001 894 600

PLAN OF LEVELS AND DETAILS TAKEN OVER LOT B, DP 111138, "RUSHCUTTERS SELF STORAGE"  $\,$ No. 30-62 BARCOM AVENUE, RUSHCUTTERS BAY.

REFERENCE: 11647 ISSUE: C SHEET 40F 5 SHEETS

"FIRST FLOOR LEVEL"



# ETHOS URBAN