

# 436 Lonsdale Street, Melbourne

## Waste Management Plan

24-May-2024  
436 Lonsdale Street, Melbourne

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## 436 Lonsdale Street, Melbourne

### Waste Management Plan

Client: Wardle Studio

ABN: 83 006 814 268

### Prepared by

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24-May-2024

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Job No.: 60696771

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 Verifier/s Brad Parker

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Rev	Revision Date	Details	Approved	
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A	24-Apr-2024	Final	Brad Parker	
B	24-May-2024	Final	Brad Parker	

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## 1.0 Introduction

The following Waste Management Plan (WMP) has been prepared for the redevelopment of the site at 436 Lonsdale Street into a new 19 storey office accommodation building.

This WMP has been prepared based on the following standards, codes, and guidelines:

- City of Melbourne – Guidelines for Waste Management Plans, 2021
- Sustainability Victoria – Better Practice Guide for Waste Management and Recycling in Multi-Unit Developments, 2019
- Victoria State Government, Recycling Victoria: A New Economy, 2020
- The WMP complies with the design intent of Green Star Buildings v1B Credit 4 Responsible Resource Management

## 2.0 Subject Development

<b>Client:</b>	Wardle Studio
<b>Use Type:</b>	Office Building
<b>Number of Levels:</b>	19

Table 1 - Development Summary

Type	NLA
Office Building	14929 m <sup>2</sup>
Café*	60 m <sup>2</sup>

\*Café area is an allowance made for the purpose of the Waste Management Plan and as such is not reflected on the architectural plans or other documentation.

## 3.0 Waste Management Plan

### 3.1 Waste Systems

Waste generated onsite will be sorted on-site by staff and cleaners as appropriate into the following streams:

- General Waste
- Food Organics
- Recycling
- Paper & Cardboard
- Glass
- Soft Plastics
- Hard Waste
- E-Waste

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The waste streams will be consolidated into a designated waste area located on level G01 and collected by private waste collection contractors.

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## 3.2 Waste Generation

The waste generation rates are shown in Table 2, with waste generation rates as per the City of Melbourne Guidelines for Waste Management Plans. Waste generation has been calculated for the offices, as well as a nominal café which has been included as an allowance. The waste generation rates for the Café allowance summarised has been based on previous AECOM experience, noting that the cumulative generation rate exceeds those detailed in the City of Melbourne Guidelines for Waste Management Plans.

Table 2 - Weekly Waste Generation Rates

Tenancy	Area (m <sup>2</sup> )	Generation Rate (L/100m <sup>2</sup> /week)					
		General Waste	Commingled Recycling	Paper & Cardboard	Organics	Glass	Soft Plastic
Office	14,929	40	20	30	5	0	5
Café (Included as an allowance)	60	525	214	500	150	36	75

## 3.3 Waste Management Equipment Required

Table 3 summarises the information regarding bin quantity, size, and frequency of collection.

Table 3 - Waste Storage & Capacity

	General Waste	Commingled Recycling	Paper & Cardboard	Organics	Glass	Soft Plastic
Volume Produced (L)	6,287	3,115	4,779	836	21	791
Collection Frequency (per week)	2	2	2	3	1	2
Bin Size (L)	1,100	1,100	1,100	120	80	240
Bin Quantity	3	2	3	3	1	2

## 3.4 Internal Waste Transfer & Handling

Figure 1 below illustrates the expected primary routes for waste transfer from the lift on level G01 to the dedicated waste storage areas.

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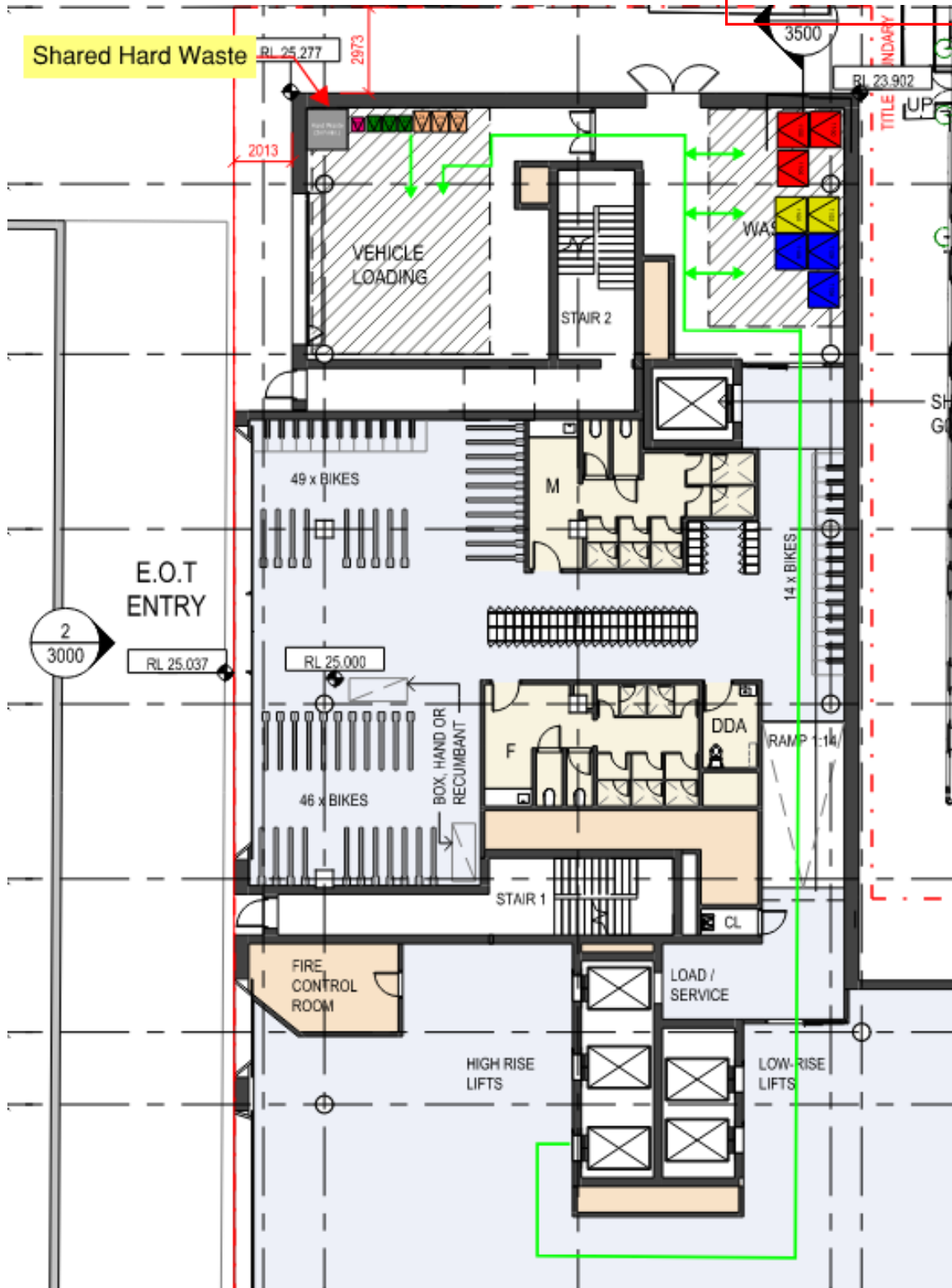


Figure 1 - Path of Travel

### 3.5 Primary Waste Storage Area & Location

Table 4 demonstrates the cumulative area requirements (excluding circulation) and provision of waste areas. Figure 2 shows the arrangement of the proposed waste areas. Appendix A shows the scaled waste areas in context of the entire level G01.

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Table 4 - Waste Storage Area Requirements

Stream	Area Required (m <sup>2</sup> )	Area Provided (m <sup>2</sup> )
General Waste	3.98	58.0
Commingled Recycling	2.65	
Cardboard & Paper	3.98	
Organics	0.78	
Glass	0.23	
Soft Plastic	0.85	
Hard Waste	2	
TOTAL	14.49	

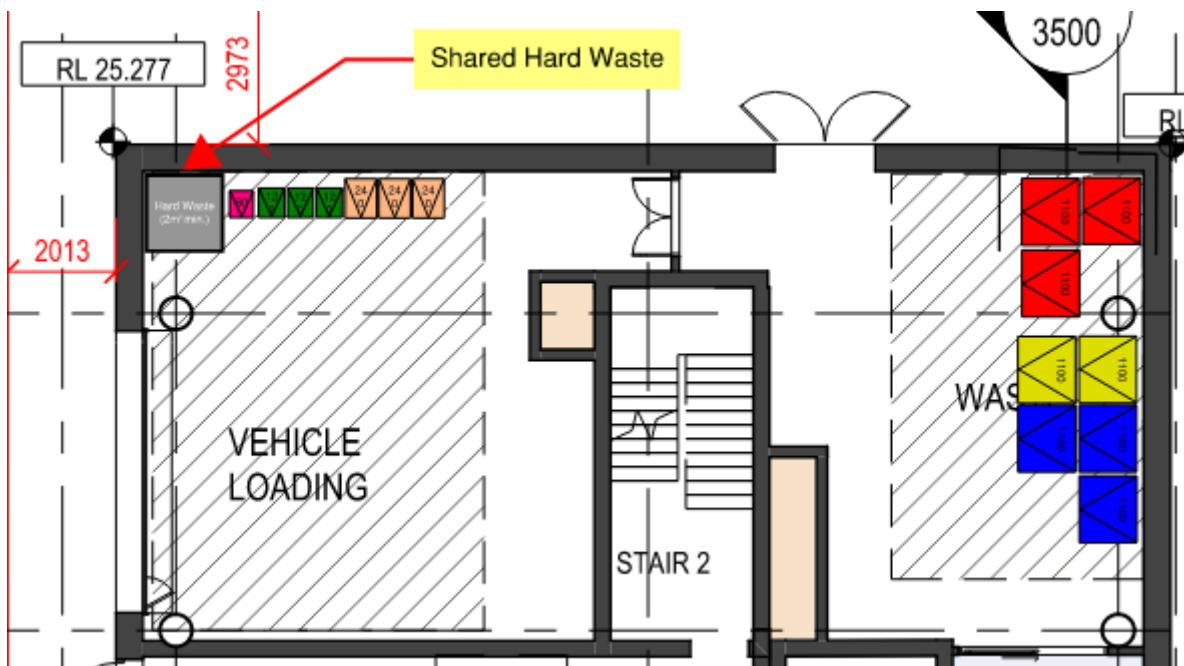


Figure 2 - Waste Storage Area Arrangement

### 3.6 Bin Colour and Supplier

All bins will be provided by the dedicated private supplier. The below bin colours are specified by Australia Standard AS4123.7 2006, however due to the private nature of the collection, these are only recommendations and are not mandatory:

- Garbage (general waste) bins shall have red lids with dark green body.
- Recycle bins shall have yellow lids with dark green body.
- Cardboard bins shall have blue lids with blue body.
- Glass bins shall have purple lids with dark green body.
- Food organics bins shall have green lids with dark green body.

Private collection contractors often supply their own bins for collection.

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### 3.7 Signage

Waste drop-off areas and bins will be clearly marked and signed with appropriate waste disposal signage as illustrated in Figure 3 (or equivalent).



Figure 3 - Example Signage

### 3.8 Waste Collection Methodology

All waste will be collected by a private contractor on-site via an 8.8-metre-long rear loading waste collection vehicles. All waste collection will occur in the vehicle loading bay shown on Appendix B, accessible from Lonsdale Lane, with vehicle operators to collect waste directly from the waste areas and return bins immediately upon emptying.

Bins will not be stored outside of the title boundary or presented to kerb for collection times.

Typically, operators are provided with keypad/swipe card access to the service doors.

## 4.0 Standards & Compliance

### 4.1 Ventilation

Ventilation will be provided in accordance with Australian Standard requirements.

### 4.2 Washing

A third-party bin washing service will be engaged to wash the onsite bins as appropriate intervals.

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### 4.3 Vermin Protection

Waste storage areas will be suitably protected to prevent vermin ingress and suitably tidy as to not attract vermin.

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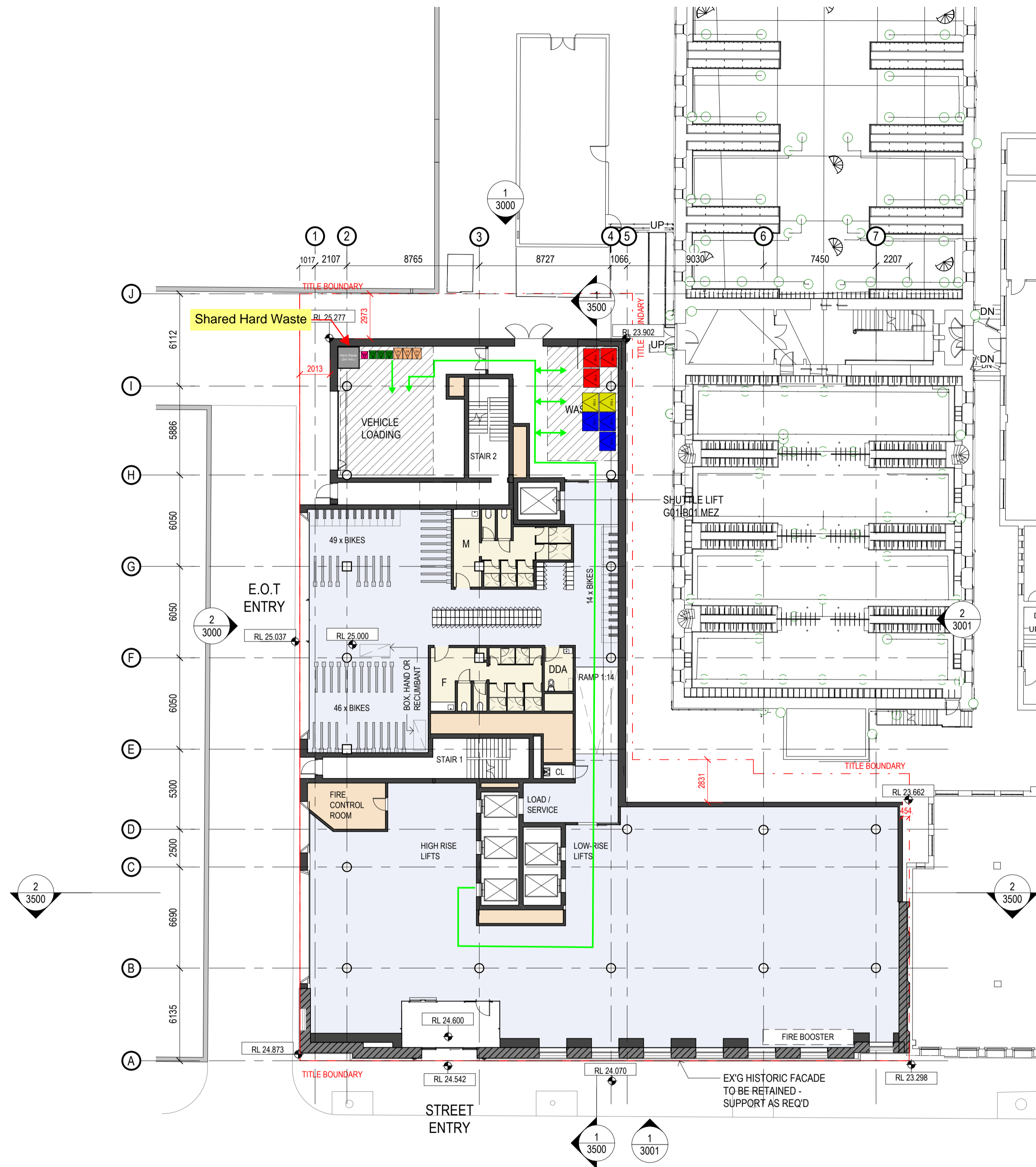
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# Appendix A

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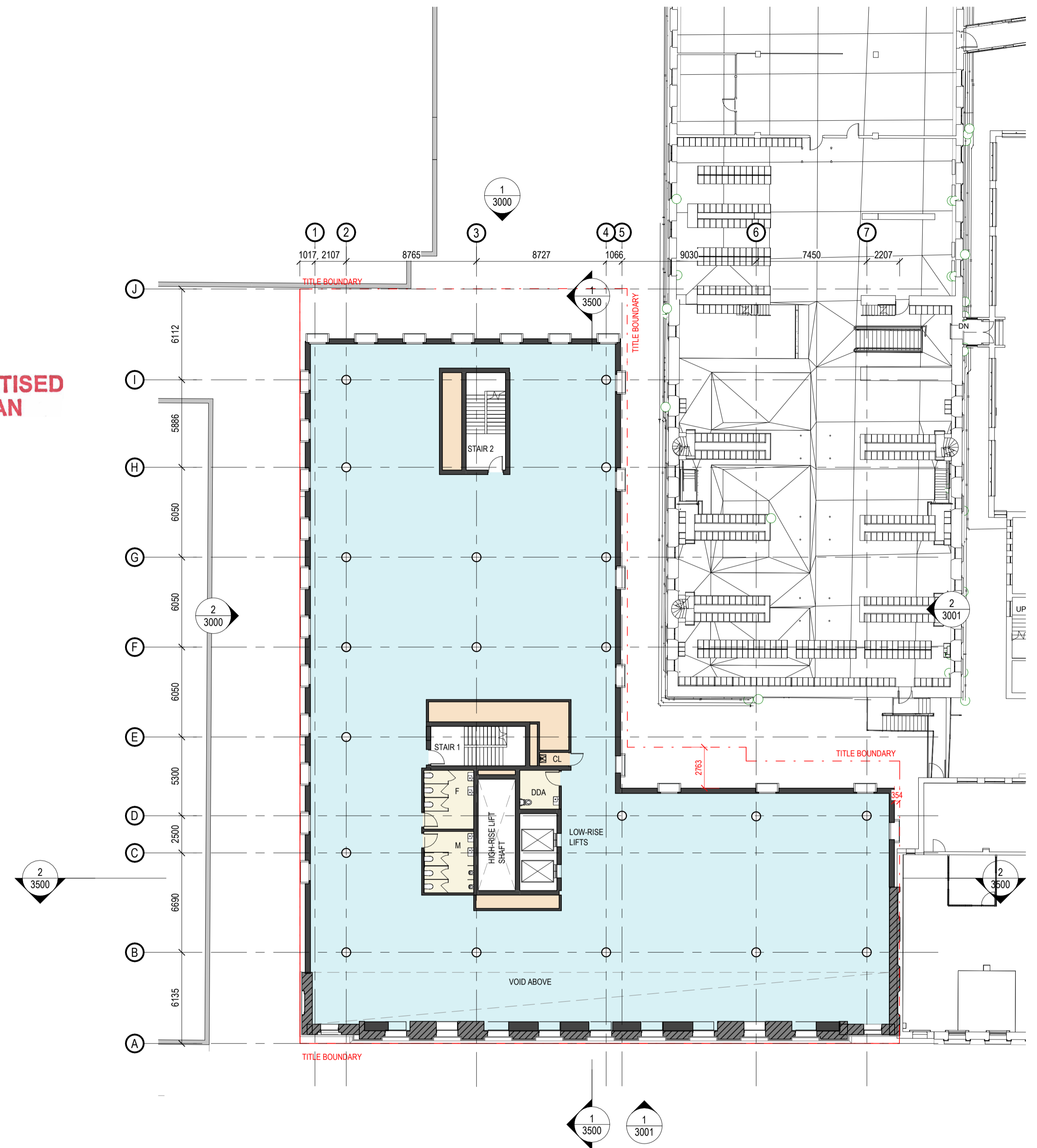
**Scaled Architectural  
Drawings**



1 FLOOR PLAN - LEVEL G01  
Scale 1:200

**END OF TRIP FACILITIES:**  
 182 BICYCLES SPACES G01 & B01  
 180 TYPICAL BICYCLES  
 - 2x BOX, HAND, OR RECUMBENT BICYCLES  
 180 LOCKERS  
 F: 5x SHOWERS, 1x AMBULANT WC, 1x NON-AMBULANT WC  
 M: 5x SHOWERS, 1x AMBULANT WC, 1x NON-AMBULANT WC

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2 FLOOR PLAN - LEVEL L01  
Scale 1:200

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General Notes

**KEY:**

<span style="display:inline-block; width:10px; height:10px; background-color:lightblue; border:1px solid black;"></span>	COMMERCIAL
<span style="display:inline-block; width:10px; height:10px; background-color:lightyellow; border:1px solid black;"></span>	AMENITIES
<span style="display:inline-block; width:10px; height:10px; background-color:lightorange; border:1px solid black;"></span>	SERVICES
<span style="display:inline-block; width:10px; height:10px; background-color:lightgrey; border:1px solid black;"></span>	COMMON / EOT

Rev.	Issue	Revision Description	Date	Appr by
1		TOWN PLANNING ISSUE	24.05.20	KFL

**Wardle**

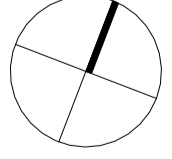
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wardle.studio  
ABN 83 006 814 268

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Client	Department of Transport and Planning 1 Treasury Place East Melbourne VIC 3002
Project	436 Lonsdale Street 436 Lonsdale Street, Melbourne, 3000
Title	FLOOR PLANS LEVEL G01 & L01

Project No.	2236	Scale @ A1	1:200
Date	MAY 2024	Co-Ord	Designer
Drwn	JC	Check	KL
Drawing Status	TOWN PLANNING		
Drawing No.	AR 1001	Revision	1

	
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# Appendix B

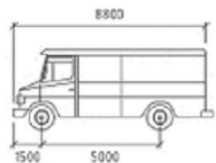
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## Swept Path Diagrams

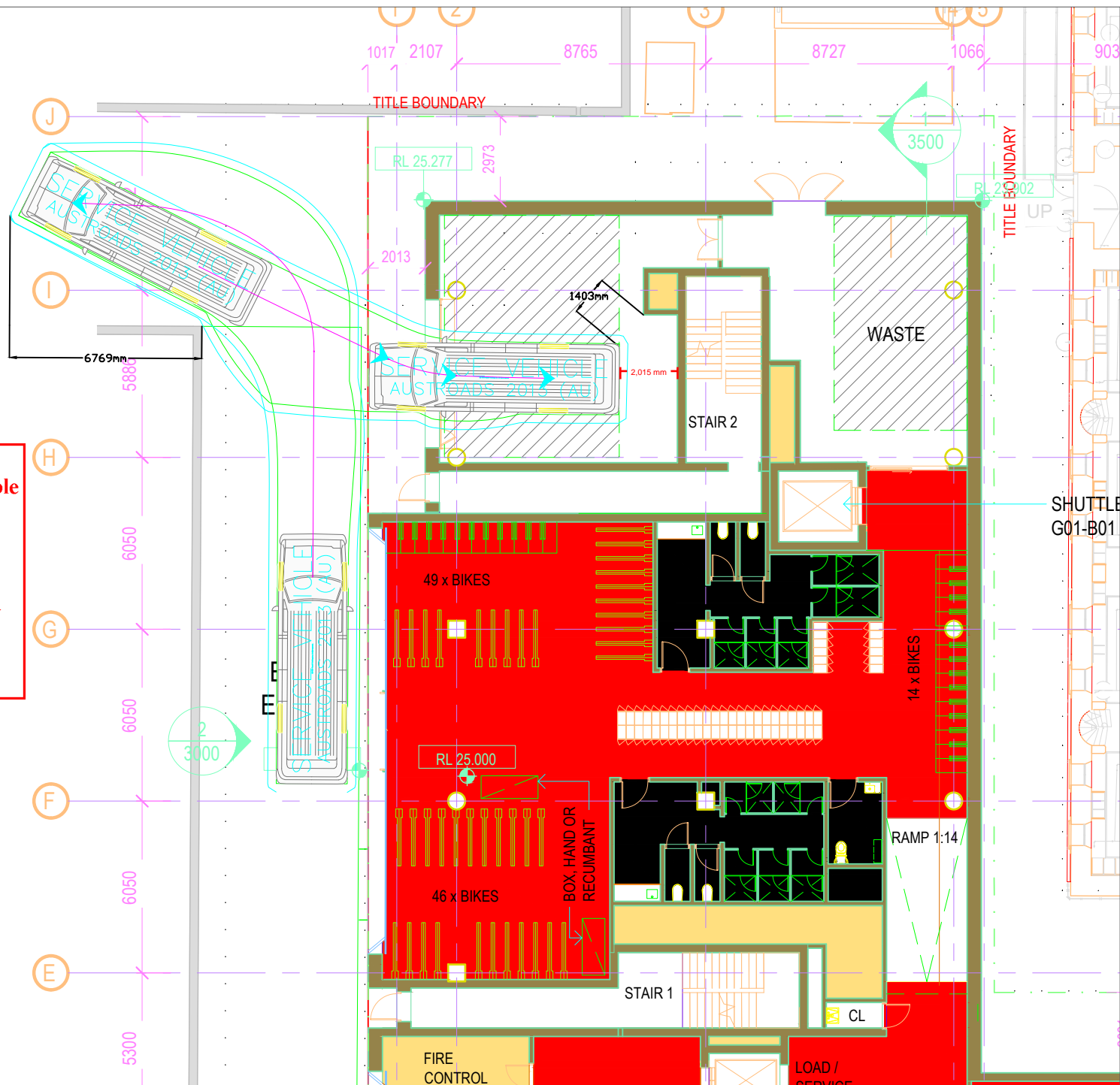
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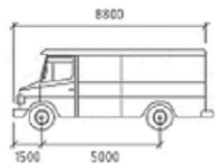
SERVICE VEHICLE mm  
 Width : 2500  
 Track : 2500  
 Lock to Lock Time : 6.0  
 Steering Angle : 38.7





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SERVICE VEHICLE		mm
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