



Commercial Waste Management Plan

Site Address: 6a Watsford Road, Campbelltown

Prepared for : Ibz Design Pty Ltd

Anthony Whaling; Bach Applied
science (build) Date: 1st
October 2019

Table of Contents

1. Introduction	4
1.1 Conditions.....	4
2. Waste Area	5
3. Generated Waste Estimate	6
4. Commercial Waste Management	7
4.1 Waste Streams	7
4.2 Commercial Garbage Disposal	7
4.3 Commercial Recyclable Disposal	7
4.4 Commercial Garbage and Recyclable Collection.....	7
5. Commercial Waste Calculations	8
6. Waste Minimization Strategies	9
7. Recommendations and Additional Information.....	10
7.1 Impact Reduction	10
7.2 Waste Equipment	11
8. Contact Information	12
Appendix.....	13

List of Figures

Table 1: Commercial Waste Storage	5
Table 2: Commercial Waste Estimate.....	6
Table 3: Garbage Summary.....	8
Table 4: Recycling Summary.....	8

List of Appendices

APPENDIX I: WASTE ESTIMATES
APPENDIX II: WASTE STORAGE RESIDENTIAL
APPENDIX III: 1100L BIN
APPENDIX IV:
APPENDIX V: REAR LIFT VEHICLE
APPENDIX VI: WASTE CHUTES
APPENDIX VII: LINEAR BIN INDEX
APPENDIX VIII: ECOPACK WITH LINEAR BIN INDEX

1. INTRODUCTION

Wastech Services Pty Ltd was commissioned by Ibiz Design Pty Ltd to prepare a waste and recycling plan associated with a proposed development accommodating a educational facility at 6a Watsford Road, Campbelltown.

This report covers commercial management of waste; refer to the Commercial Waste Management Plan for details on how commercial (including the basement) waste is to be managed.

1.1 Conditions

This waste management plan is based on the following conditions

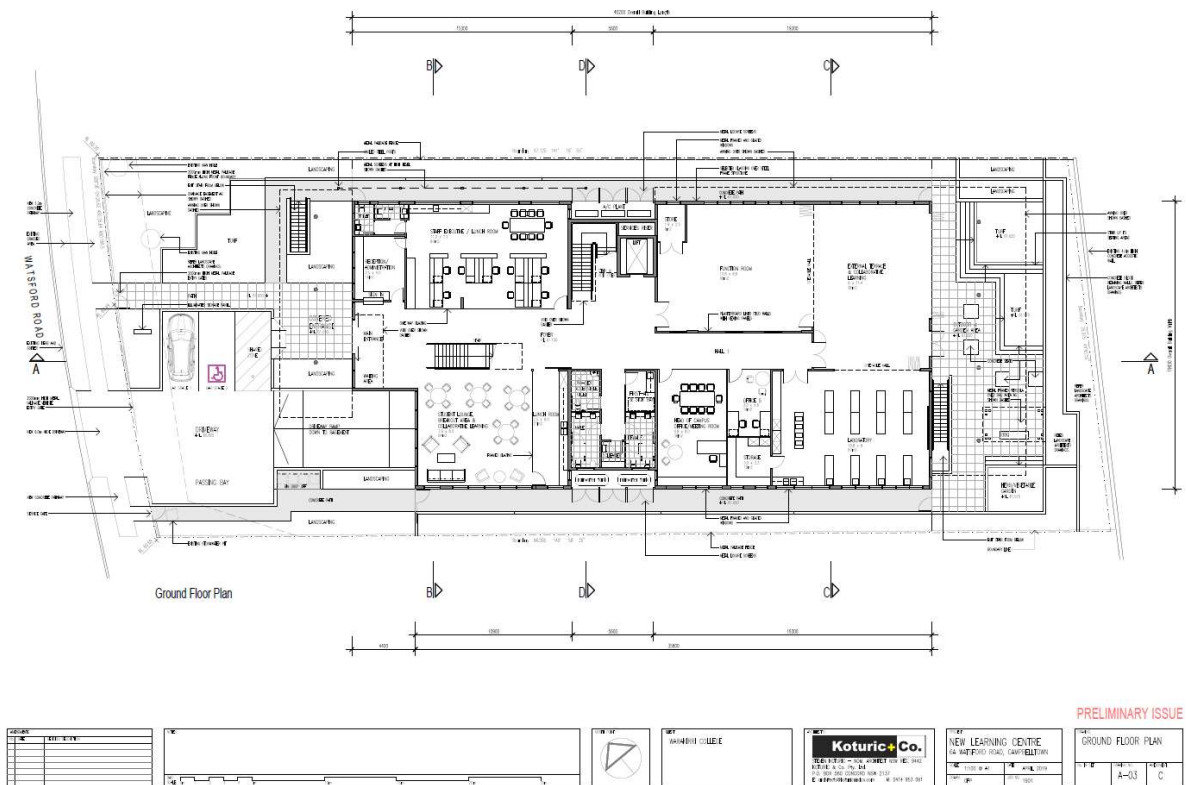
- On-going use of the premises. Does not include demolition or construction stages
- Figures and calculations are based on drawings and information supplied by Ibiz.
- Waste volume figures are estimates only and will be influenced by the tenant, and/or the operator's disposition toward waste disposal and recycling, and by the development's occupancy rate. Refer to the enclosed tables for rates and assumptions.

2. WASTE AREA

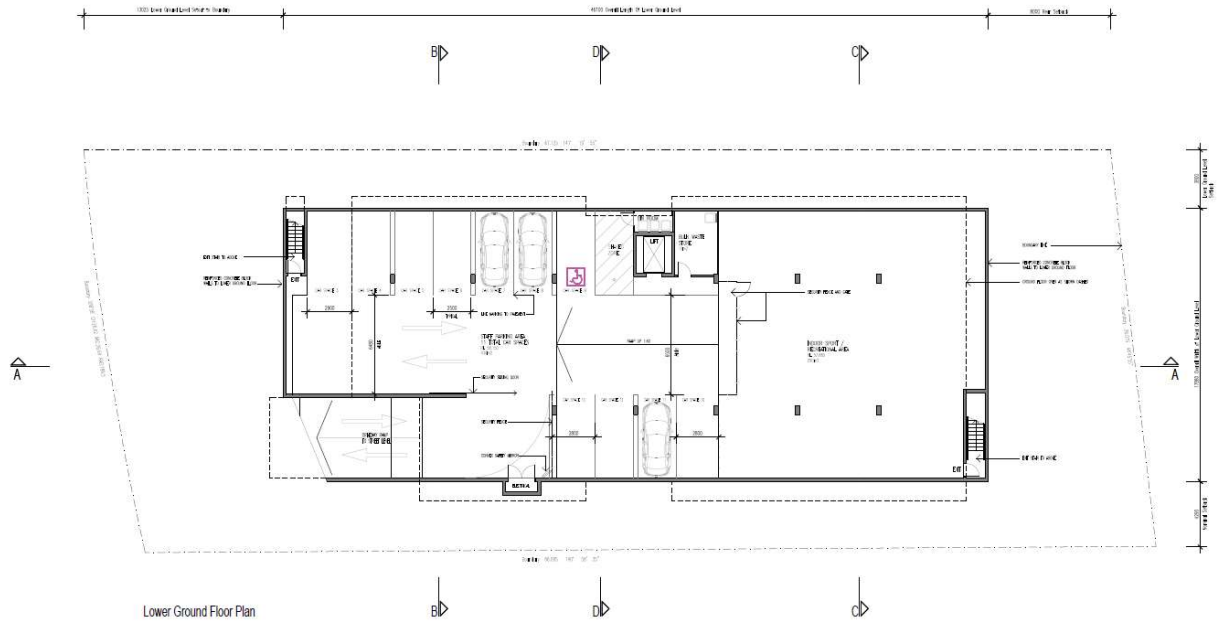
The Commercial waste storage is located on the ground floor at the rear to York lane and will accommodate the equipment and areas detailed in the table below.

Commercial Waste Storage				
Equipment Type	Length (mm)	Width (mm)	Quantity	Area (m ²)
Recycling 660 Litre Bin	1200	780	1	1.00
660 Litre Bin	1200	780	1	1.00
Total Area Required				2.00
Total Area Provided (with 50 % clearance)				3.00
Bulky Waste Area (Based on min 4 m ² each type business)			1	4.00
Bulky Waste Area Provided			1	7.00

Table 1: Commercial Waste Storage



6a Watsford Road, Campbelltown



NO.	REVISION
1	ISSUED FOR TENDER
2	REVISED FOR TENDER
3	REVISED FOR TENDER
4	REVISED FOR TENDER
5	REVISED FOR TENDER
6	REVISED FOR TENDER
7	REVISED FOR TENDER
8	REVISED FOR TENDER
9	REVISED FOR TENDER
10	REVISED FOR TENDER



NEW LEARNING CENTRE 6A WATSFORD ROAD, CAMPBELLTOWN

Koturic & Co. ARCHITECTS 10/11 STATION STREET, CAMPBELLTOWN SOUTH AUST. 5203 P. 0834 963 001 E. info@koturic.com.au

NEW LEARNING CENTRE 6A WATSFORD ROAD, CAMPBELLTOWN
DATE: 10/10/2019
BY: [Signature]
CHECKED BY: [Signature]

NEW LEARNING CENTRE 6A WATSFORD ROAD, CAMPBELLTOWN
DATE: 10/10/2019
BY: [Signature]
CHECKED BY: [Signature]

PRELIMINARY ISSUE

Floor plans shown above

3. GENERATED WASTE ESTIMATE

The enclosed waste estimates are summarized as follows in the tables below; refer to the enclosed waste generation calculations in Appendix I for further detail. Commingled recycling incorporates Glass, HDPE and PET containers, paper and cardboard.

Commercial Waste	Garbage	Commingled
Commercial waste	300	300
Total (Uncompacted litre/week)	300	300
		--
Disposal Bin Size	660 Litre	660 Litre

Table 2: Commercial Waste
Estimate

5. Commercial WASTE CALCULATIONS

4.1 Waste Streams

Commercial waste shall be sorted on-site by the builders cleaners and tenants into the following streams and associated bins:

- Garbage; and
- Recycling (Glass, PET, aluminium, steel, HDPE, Paper/Cardboard)

4.2 Commercial Garbage Disposal

Commercial tenants shall be furnished with plastic lined bins. Cleaners shall dispose of bagged garbage into the bins direct via the lifts, existing out through the fire isolated stairwell and access automatic roller shutter into bins store.

it is expected that the garbage will be collected on a daily basis from each floor.

4.3 Commercial Recyclable Disposal

Commercial tenants shall be furnished with plastic lined bins. Cleaners shall dispose of bagged garbage into the bins direct via the lifts.

it is expected that the garbage will be collected on a daily basis from each floor.

4.4 Commercial Garbage and Recyclable Collection

The trade waste management company will move bins from the garbage room and collected by the garbage collection vehicle in the driveway gargabge store just of Watsford Road from within the site, however the gargbage room will now be accessed via an automatic roller shutter where gargabge will be stored until the day before of collection. The Garbage collection contractor will remove bins and replace back into the garbage store after emptying. No bins are to be left in Watsford Road.

Once a week garbage and recycling collection are expected. Waste collections will be performed by a private contractor using an MRV.

5. Commercial WASTE CALCULATIONS

Garbage		
Weekly Garbage Volume (Uncompacted)	300	litres
Bin Type	660	Litres
Frequency of Collection	1	Per week
Bins Required for Collection	1	
Spare Bins Required	0	
Total Garbage Bins Required	1	

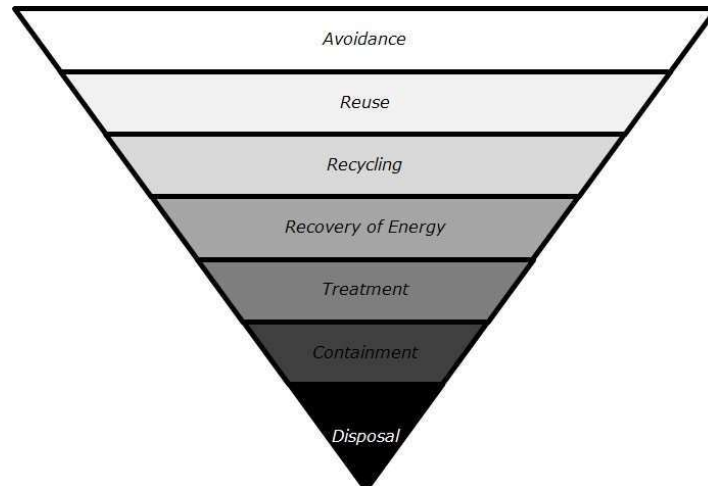
Table 3: Garbage Summary

Commingled Recycling		
Weekly Recycling Volume	300	Litres
Bin Type	660	Litres
Frequency of Collection	1	Per week
Bins Required for Collection	1	
Spare Bins Required	0	
Total Commingled Bins Required	1	

Table 4: Recycling Summary

6. WASTE MINIMIZATION STRATEGIES

Each tenant will be responsible for familiarising themselves with the practices of waste reduction/minimisation to divert waste from landfill. This will be achieved by the following:



- Document and distribute details of the waste management system that is in place on site to all residents
- Distribution of notices to all residents and tenants encouraging waste separation
- All bins to be labelled and colour coded stating types of waste that can be deposited i.e. paper/cardboard bins, container recycling bins, garbage bins

7. RECOMMENDATIONS AND ADDITIONAL INFORMATION

Items unsuitable for disposal via garbage or recycling bins would need to be disposed with the assistance of the building manager; this would include: large, heavy, and liquid waste items.

To minimise security, vandalism, odour/visual impact, and health/safety issues, the following shall be implemented:

- Transferring waste and shifting bins shall require the minimum possible manual handling. The operator will assess manual handling risks as per regulatory requirements and provide appropriate documentation to the building manager;
- Signage and usage labels for the garbage and recycling bins will be provided by the operator;
- The commercial waste rooms are secure and vermin proof. Where necessary separate keys and locking systems shall be utilised.
- The staff shall keep the bin enclosures clean, wash bins when needed;
- Garbage is collected from tenancies on a daily basis
- 7 m² area is required for the storage of bulky waste
- The building manager will monitor bins and adjust collection frequencies as required;
- The operator of the proposed development shall source and enter into a service agreement for waste collection services. The operator will be responsible for all payments and costs associated with the waste collection service provided by the collection contractor.

7.1 Impact Reduction

- Compaction should only be carried out while on the move.
- Bottles should not be broken up at the point of collection.
- Routes that service entirely residential areas should be altered regularly to reduce early morning disturbance.
- Noisy verbal communication between operators should be avoided where possible.

(The above is considered best practice for control of noise.)

6a Watsford Road,
Campbelltown

7.2 Waste Equipment

The following waste equipment will be utilized:

Linear Bin Index: Automated linear bin index capable of holding 2 x 600 commingled litre bins, as supplied by Wastech Services (or equivalent); without compactor.

Quantity required = One (1)

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Campbelltown

8. CONTACT INFORMATION

Wastech Services Pty. Ltd.
Waste Equipment Designer & Manufacturer
33 Wedgewood Road, Hallam VIC 3803
Ph 03 8787 1600
wmp@wastech.com.au

City of Sydney
GPO Box 1591, Sydney NSW 2001
Ph 9265 9333
council@cityofsydney.nsw.gov.au

SITA Environmental Solutions
(private waste collector)
201-205 Newton Road, Wetherill Park, NSW 2164
Ph: 9725 3255

Veolia Environmental Services
(private waste collector)
Cnr Unwin and Shirley Streets, Rosehill NSW 2142
Ph: 132 955

VISY Waste Management Integrated Solutions
(private waste collector)
6 Herbert Place, Smithfield, NSW 2164
Ph: 9794 3188

Eco-Safe Technologies
(odour control equipment supplier)
C/o Wastech Engineering

APPENDIX I: WASTE ESTIMATES

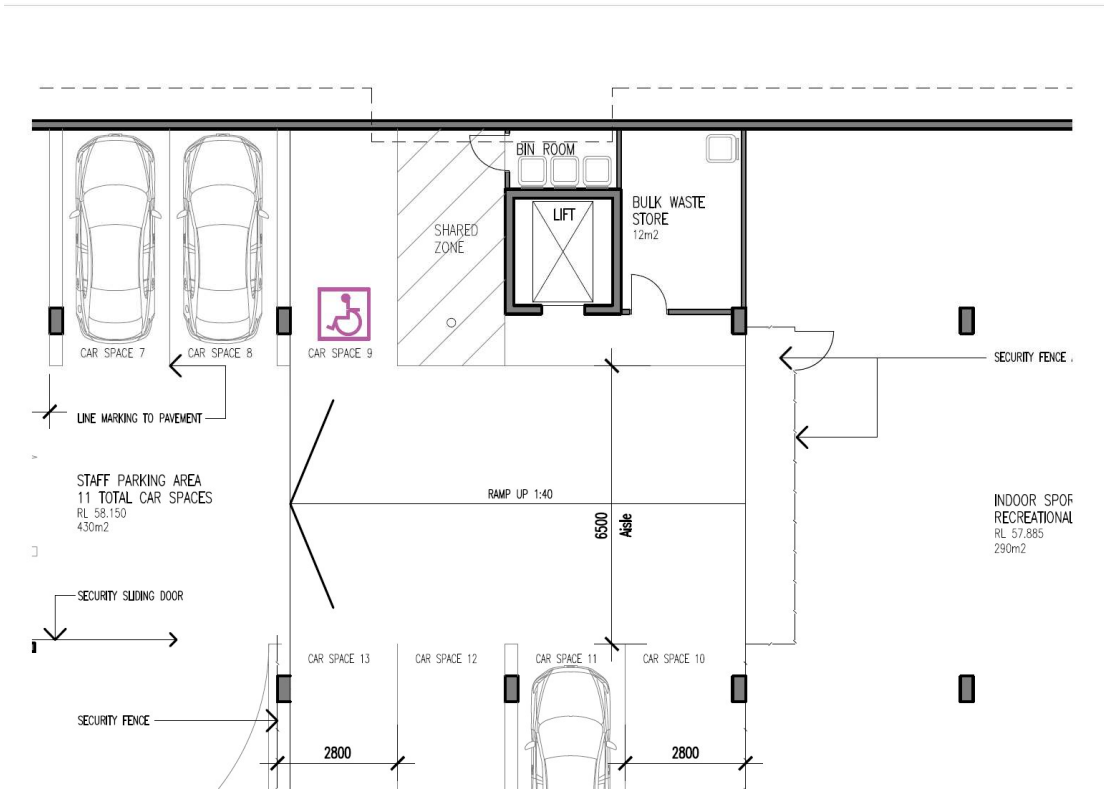
6a Watsford Road, Campbelltown		Date:	21-AUG-19
<u>GROSS GFA OF COMMERCIAL FLOOR AREA</u>	1,453 m ²		
Garbage (liters/week uncompacted):	300	(Rate/week)	20 litre per 100 m ²
Commingled Recyc. Litres /week uncompacted):	300	(Rate/week)	20 litre per 100 m ²
<u>TOTAL COMMERCIAL WASTE</u>			
Garbage (litres/week uncompacted):	300		
Commingled Recycling (litres/week uncompacted):	300		

The recommendations, estimates and plan contained in this Waste Management Plan (Plan) have been prepared by analysing information, guidelines, documents and regulations provided by you and third parties, including local government and council bodies. Wastech utilises the “Guide to Best Practice for Waste Management in” written by Resource Smart Victoria/ Sustainability Victoria 2017, the City of Sydney “Guidelines for Waste Management in New Developments 2018” to guide the rates chosen within this report.

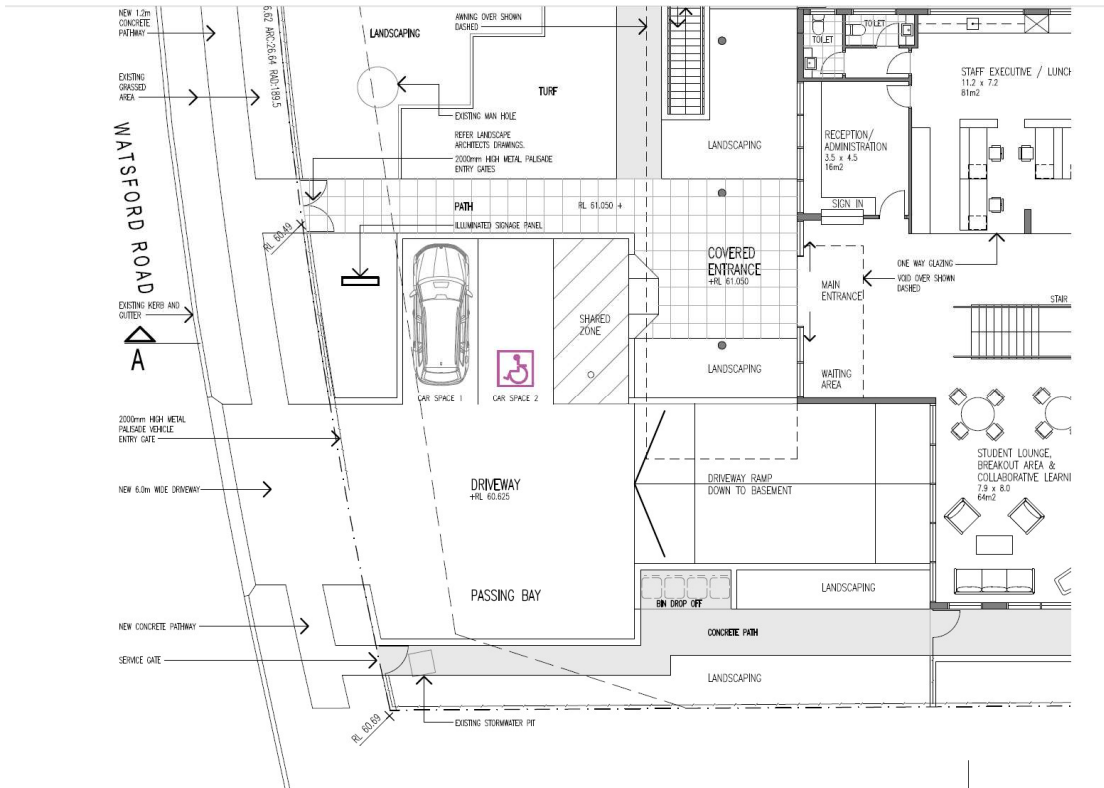
Wastech Engineering does not verify the accuracy of the Information and you acknowledge that the Information, and assumptions based on the Information within the Plan, is outside the control and knowledge of Wastech Engineering. Wastech Engineering has prepared the Plan with due care and skill. However, no assurance or representation is made that the Plan reflects a guaranteed outcome and Wastech Engineering will not be liable to you for Plans or outcomes that are not suitable for your purpose, whether as a result of incorrect or unsuitable Information or otherwise. Except as specifically stated, no warranty or representation of accuracy or reliability in respect of the Plan is given by Wastech Engineering.

APPENDIX II: WASTE STORAGE COMMMERICAL

Extract of Basement floor Plan showing Commercial Waste storage area for Bins and Bulk waste storage area



Extract of ground floor Plan showing Commercial Waste temporary storage area for Bins prior to pickup

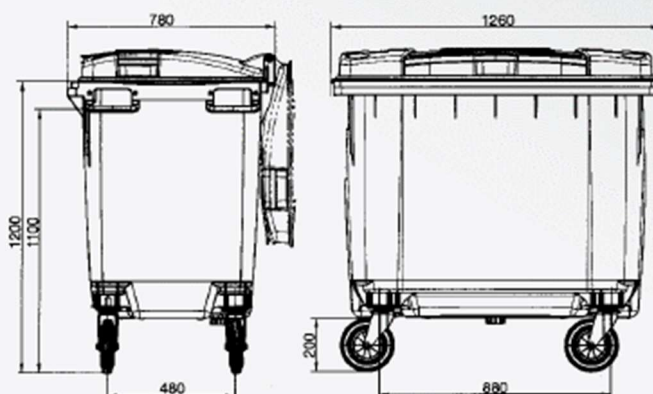


APPENDIX IV: 660L BIN

Dimensions - Weights - Standards

■ Nominal volume:	660 litres
■ Net weight:	43 kg
■ Max. load:	265 kg
■ Permitted total weight:	310 kg

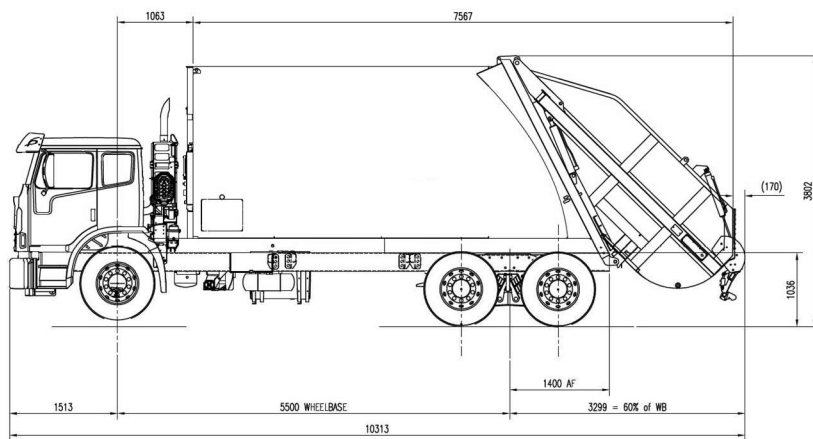
Measurements to be used as a guide only - variations will occur



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APPENDIX V: REAR LIFT VEHICLE

Typical dimensions for Medium rigid vehicle - rear lift vehicle



Rear Loader

