

26 Mann Street, Gosford – Waste Assessment Brief

Please find the below data from our preliminary assessment of the waste management provisions at 26 Mann Street, Gosford. This document has been prepared to inform the spatial parameters for reference scheme design for Concept SSDA submission:

APARTMENT BIN SUMMARY

Building/ Core	# Units	Garbage Generation Rate (L/unit/week)		Generated Garbage (L/w eek)	Recycling Generation Rate (L/unit/w eek)		Generated Recycling (L/w eek)
Stage 1	160	120		19200	120		19200
Stage 3	153	120		18360	120		18360
TOTAL	313			37560			37560
Collections		Garbage Bin Size (L)		1100	Recycling Bin Size (L)		1100
		Garbage Bins per Day		3	Recycling Bins per Day		3
		Garbage Collections per Week		3	Recycling Collections per Week		3
		Total Garbage Bins Required		12	Total Recycling Bins Required		12
Equipment		Garbage Bins	Stage 1	6	Recycling Bins	Stage 1	6
		Per Core	Stage 3	6	Per Core	Stage 3	6
		Chute Discharge Equipment		2 x Bin Lifters to Decant 240L Recycling into 1100L MGBs			
Waste Rooms		Discharge and Storage Room		Approx. 10sqm (Discharge) & 70sqm (Storage)			

HOTEL BIN SUMMARY

# Keys	Garbage Generation Rate (L/bed/day)	Generated Garbage (L/w week)	Recycling Generation Rate (L/bed/day)	Generated Recycling (L/w week)
160	5	5600	1	1120
Collections & Equipment	Garbage Bin Size (L)	1100	Recycling Bin Size (L)	1100
	Garbage Bins per Day	1	Recycling Bins per Day	1
	Garbage Collections per Week	3	Recycling Collections per Week	3
	Total Garbage Bins Required	2	Total Recycling Bins Required	1
Waste Rooms	Bin Storage Room	Approx. 8sqm		

RETAIL BIN SUMMARY

Type	NLA (m ²)	Garbage Generation Rate (L/100m ² /day)	Generated Garbage (L/w week)	Recycling Generation Rate (L/100m ² /day)	Generated Recycling (L/w week)
Food & Beverage	1098	240	18446.4	240	18446.4
General Retail	3453	50	12085.5	50	12085.5
TOTAL	4551		30531.9		30531.9
Collections & Equipment	Bin Size (L)		1100	Bin Size (L)	1100
	Collections per Week		3	Collections per Week	3
	No. Bins Required		10	No. Bins Required	10
Waste Rooms	Equipment		None		
	Storage Room		Approx. 50sqm		

WASTE ROOM RECOMMENDATIONS

Level	Waste Room Type	Equipment	Allocated Area (m ²)
B1	Waste Discharge Room (x2)	2 x 1100L MGBs (Garbage) 2 x 1100L MGBs (Recycling) 1 x 240L Bin Lifter	10
G	Residential Bin Holding/Collection Room	12 x 1100L MGBs (Garbage) 12 x 1100L MGBs (Recycling)	70
	Bulky Goods Waste Storage Room	N/A	20
	Hotel Waste Room	2 x 1100L MGBs (Garbage) 1 x 1100L MGBs (Recycling)	8
	Retail Waste Room	10 x 1100L MGBs (Garbage) 10 x 1100L MGBs (Recycling)	50

This information is based on the below assumptions:

- A single garbage chute system is installed in Stages 1 and 3 with 240L recycling bins on each residential level.
- 240L recycling bins are decanted into 1100L bins in each waste discharge room using an appropriate bin lifter.
- Ideally, each waste discharge room would be capable of holding all 12 x 1100L bins required for that building. Otherwise, the minimum acceptable number of bins for each discharge room would be 4.
- It has been assumed that all waste generated by the hotel and retail premises will be collected three times per week. As a private contractor will be servicing these areas there is room for flexibility here and the collection frequency can be increased to reduce the number of bins required if necessary.
- Waste room area recommendations are an estimate only. Final waste room areas will be dependent upon the layout of the bins and the rooms themselves. It is recommended that the architects include bins in the waste rooms in their GA plans in order to demonstrate that they are sufficiently sized.

Central Coast Council require access to be provided for the following waste collection vehicle:

Typical Council Garbage Truck used for Domestic Waste Collection	
Length overall	12.5 metres
Width overall	2.5 metres
Operational height	4.0 metres
Travel height	4.0 metres
Weight (vehicle and load)	22.5 tonnes
Turning Circle	25.0 metres

