

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/week)	Recycling Generation Rate (L/unit/week)		Generated Recycling (L/week)
Stage 1	136	140		19040	120		16320
Stage 2	105	140		14700	120		12600
TOTAL	241			33740			28920
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		2	Recycling Collections per Week		1
		Total Garbage Bins Required		16	Total Recycling Bins Required		27
Equipment		Garbage Bins Per Core	Stage 1	9	Recycling Bins Per Core	Stage 1	15
			Stage 2	7		Stage 2	12

RETAIL/COMMERCIAL BIN SUMMARY

Type	GFA (m ²)	Garbage Generation Rate (L/100m ² /day)	Generated Garbage (L/week)	Recycling Generation Rate (L/100m ² /day)	Generated Recycling (L/week)
Retail (Food)	929	400	26012	280	18208
Retail (Non-Food)	929	50	3252	100	6503
Commercial	10589	10	7412	15	11118
TOTAL	12447		36676		35830
Collections & Equipment	Bin Size (L)		1100	Bin Size (L)	1100
	Collections per Week		3	Collections per Week	3
	No. Bins Required		12	No. Bins Required	11

WASTE ROOM RECOMMENDATIONS

Level	Waste Room Type	Equipment	Estimates Area (m ²)
G	Waste Discharge Room (Stage 1)	1 x 3-Bin 1100L Linear Track System (Garbage) 1 x 1100L MGBs (Recycling) 1 x 240L Bin Lifter	20
	Waste Discharge Room (Stage 2)	1 x 2-Bin 1100L Linear Track System (Garbage) 1 x 1100L MGBs (Recycling) 1 x 240L Bin Lifter	15
	Residential Bin Holding/Collection Room	16 x 1100L MGBs (Garbage) 27 x 1100L MGBs (Recycling)	125
	Bulky Goods Waste Storage Room	N/A	20
	Retail/Commercial Waste Room	12 x 1100L MGBs (Garbage) 11 x 1100L MGBs (Recycling)	67

This information is based on the below assumptions:

- A single garbage chute system is installed in Stages 1 and 2 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.
- As the specific use of retail areas is not yet known, the floor areas have been split three ways to account for different potential uses with varying rates of waste generation.
- It has been assumed that all waste generated by the retail and commercial 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

