

Addendum 2
Bin Store Calculation

The refuse calculations to BS5906 opposite show the area required in the bin stores for each block. These areas are comfortably achieved within the submitted plans.



Bin Store Location Diagram

Block 1 Residential Refuse Calculation to BS5906	
number of dwellings × {(volume arising per bedroom [70 l] × average number of bedrooms) + 30}	
where:	
Number of dwellings being served	16
Volume of waste arising per bedroom per week which is assumed to be 70L	
Average number of bedrooms	
4x 1 bed	4
4x 2 Bed	8
8x 3 Bed	24
Total volume waste volume	
16[(70x2.25)+30]	3000 L
Bins required	
Area for each 1100L bin = 3.972sqm	
Area for each 240L bin = 1.974sqm	
Area required for bins	
3x 3.927	11.781
Total min. Bin Store Area Required	
	2.989 additional for door operation
	15 sqm
Block 2 Residential Refuse Calculation to BS5906	
number of dwellings × {(volume arising per bedroom [70 l] × average number of bedrooms) + 30}	
where:	
Number of dwellings being served	22
Volume of waste arising per bedroom per week which is assumed to be 70L	
Average number of bedrooms	
9x 1 bed	9
10x 2 Bed	20
3x 3 Bed	9
Total volume waste volume	
22[(70x1.52)+30]	3001 L
Bins required	
Area for each 1100L bin = 3.972sqm	
Area for each 240L bin = 1.974sqm	
Area required for bins	
3x 3.927	11.781
Total min. Bin Store Area Required	
	2.989 additional for door operation
	15 sqm

Bin Store Area Calculation