3.5.2 Residents in Block I and J will be required to transport their own waste from their individual apartments directly to their local waste storage area using the residential passenger lifts. In Block K a waste chute has been incorporated due to the excessive distance between the upper residential floors and the refuse stores in the basement of Block K.

Once in the waste storage area, the residents will be required to segregate their waste into the appropriately labelled bins.

The block-specific waste storage areas shall be designed to BS5906:2005 – Waste Management in Buildings Code of Practice. In summary, the facilities should include the following:

- A suitable water point should be provided in close proximity to allow washing down;
- All surfaces shall be sealed with a suitable wash proof finish;
- All surface shall be easy to clean;
- Suitable floor drainage shall be provided; and
- Suitable lighting and ventilation shall be provided.

On the collection days nominated by WCC, the on-site FM team will transport the bins containing either the waste or recyclables from the block-specific waste storage areas servicing Blocks I, J and K to the waste presentation area at basement level via the car park area.

The FM team will use an electric vehicle (EV) (or similar) to tow the 1,100 litre Eurobins within the car park at B1 and from the waste holding area at PGPS B2 to the presentation area at B2. An example of a suitable EV is shown in Figure 3.5.

Once the bins from the Block I, J and K waste stores have been emptied by WCC's waste management contractor, the FM team will return the bins to the waste storage areas.

For details relating to the EV vehicle parking area, please see WEG Waste Management Strategy.

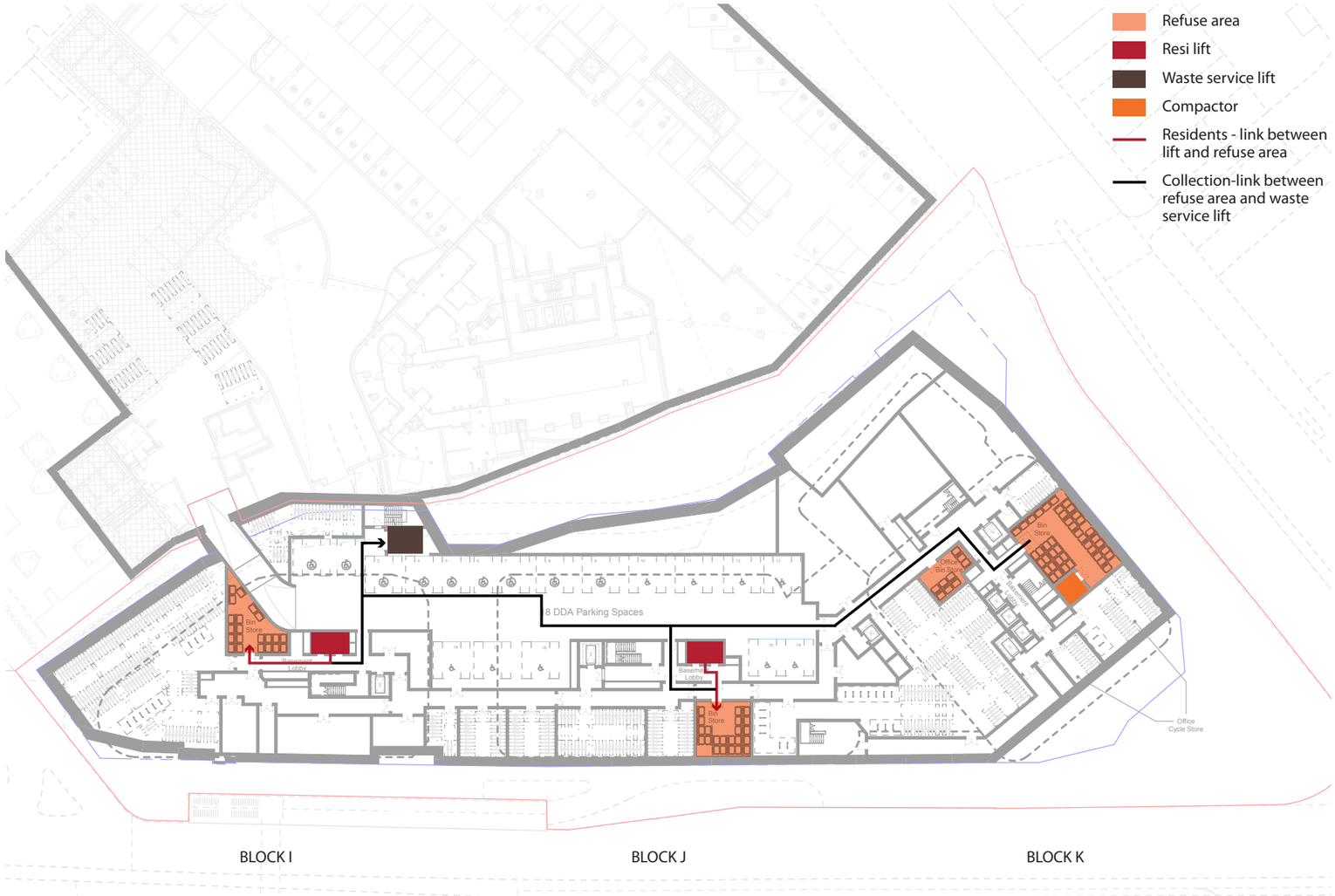


Figure 3.6 - Diagram showing in principle the B1 waste strategy.

Figure 3.5 - Example Electric Vehicle

### 3.5.3 Block K

Given the height of Block K, the waste strategy has been developed to incorporate a waste chute that will allow residents to dispose of their waste at each floor level. This will be via a dedicated, lobbied and ventilated waste room in the core area. This follows the principles developed at the existing Westmark tower within the wider development and provides a robust waste management approach for taller buildings where it may not always be realistic to expect residents to travel from the upper levels of the tower to the basement waste stores. The incorporation of the chute will also help to address any issues with residents leaving refuse bags within the core at each floor level by providing a designed and managed solution.

The chute and its associated areas will be managed as part of the wider building management to ensure they are clear of obstructions.

It is proposed that the refuse waste stream from Block K will be compacted using a compactor that is incorporated into the chute at an assumed compaction ratio of 2:1. The recycling waste\stream and food waste will not be compacted.

It is proposed that the waste chute will be provided within the residential service core in Block K and will incorporate a tri-separator at basement level with waste chute hoppers located on each residential floor. The chute will be positioned to ensure that the maximum distance walked by residents is no more than 30m from apartment front doors to the waste chute hopper as required by the Guidance.

Suitable signage compliant with WCC requirements will be provided above the chute hopper on each floor to provide guidance on which materials can be recycled.

The location of the waste chute in Block K (level 03) is shown in Figure 3.8. The waste chute is located in the same location on all residential floors. The waste chute hopper rooms located on each residential floor should be designed to the standard outlined in BS5906:2005. In summary, the facility should include the following:

- All surfaces should be sealed with a suitable wash proof finish (vinyl, tiles etc.);
- All surfaces should be easy to clean; and
- Suitable lighting and ventilation should be provided.

| Block K | Waste generation per week (L) | Compaction Ratio | 1100L Eurobin (No.) |
|---|---|---|---|
| General Waste | 16,980 | 2 to 1 | 8 |
| Food Waste | 5,660 | - | 5 |
| Recycling | 33,960 | - | 31 |
| TOTAL | | | **44** |

*Note: Eurobins are 1260x980x1370 (wxdxh)

| BIN TYPE | WIDTH (MM) | DEPTH (MM) | HEIGHT (MM) |
|---|---|---|---|
| Harpac H150* | 1,800 | 750 | 1,560 |

Figure 3.7 - Example Bin Compactor

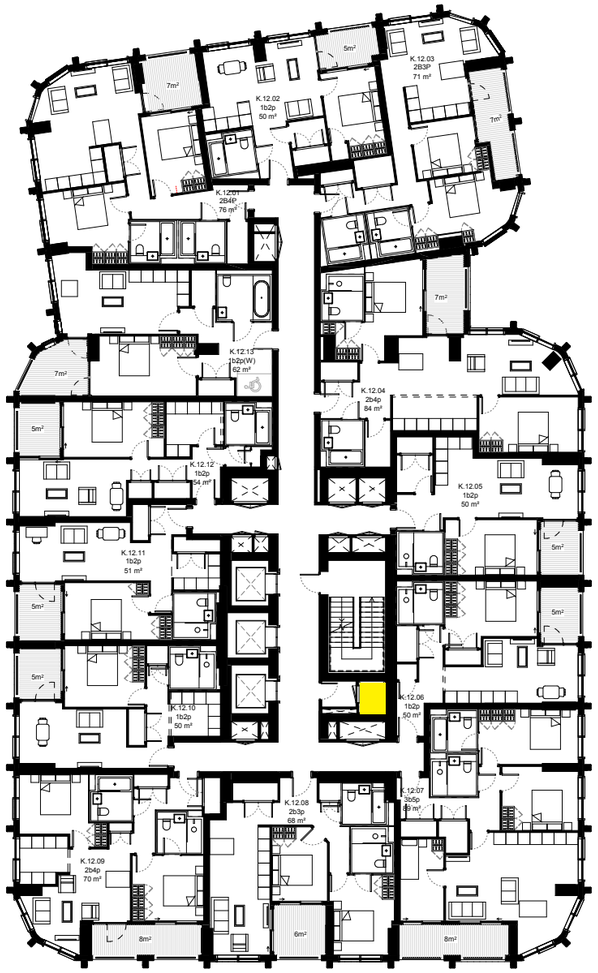


Figure 3.8 - Location of Waste Chute in Block K

Waste Chute Loading Hopper