

IMPLEMENTATION

The applicability of waste chute for general waste in the project should be first determined through Dubai Municipality Building Regulations by the project team.

If the project requires chute to be provided, the project team should either provide a second chute to handle recyclable waste or provide additional space in the garbage room in each floor to handle recyclable waste.

If second chute is provided, it should handle recyclable wastes only. The chute must discharge the recyclable waste into a separate receptacle within the waste management area. Clear signage must be provided to indicate the corresponding chutes for general waste and recyclable waste.

Alternatively, if second chute cannot be provided, project teams must provide a minimum floor area of 2 m² in the garbage room in each floor (fig. 702.04(1)), for storing recyclable waste. Clear mechanism should also be proposed to collect the recyclable wastes from the garbage room on a daily basis. Waste should be transported in a service lift and should be discharged into the designated receptacle within the central waste management area.

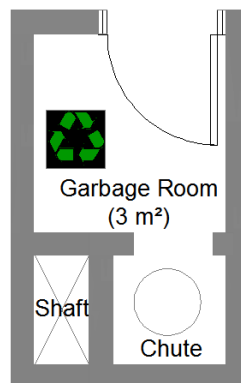


Fig. 702.04(1): Additional space allocation in garbage room

The following should be considered on the location and construction of waste chutes:

- Discharge the solid waste to an appropriate storage container.
- Meet the requirements of DM Administrative Resolution 125-2001 (Building Regulations) Article 51.
- Avoid the likelihood of blockage or leakage.
- Permit easy cleaning and maintenance.
- Avoid the likelihood of foul air or gases accumulating or entering the building.
- Avoid the likelihood of the spread of fire beyond the refuse chute.
- Have openings that allow waste to be safely deposited in the chute.
- Restrict access by children, animals and vermin.

Waste chutes should also be fitted with side-entry hoppers (fig. 702.04(2)) and should:

- Have a minimum internal diameter of 600 mm.
- Be self-cleaning, vertical and have smooth joints.
- Be vented at the top above the roof line and at the bottom above the container.
- Terminate centrally over a suitable container located in a room complying with *Regulation 702.05: Recyclable Waste Management Facilities*.



Fig. 702.04(2): Waste Chutes with side-entry hoppers