

Planning application reference 22/1405: Land At Battle Street Reading

Refuse Chute

Queries relating to the refuse chute from officers at Reading Borough Council have been received:

One of my comments is regarding the chutes. The waste will need to be deposited into separate receptacles. Will there be 3 different chutes for residents to deposit the waste properly?

Also with the lockable bin store will this be a coded or a key.

Design team response

The waste will be deposited into separate receptacles.

The refuse chute has controls so to send the waste to different bins.

The chute is as specified by Reading Borough Council housing officers.

Further information is provided as per the enclosed:

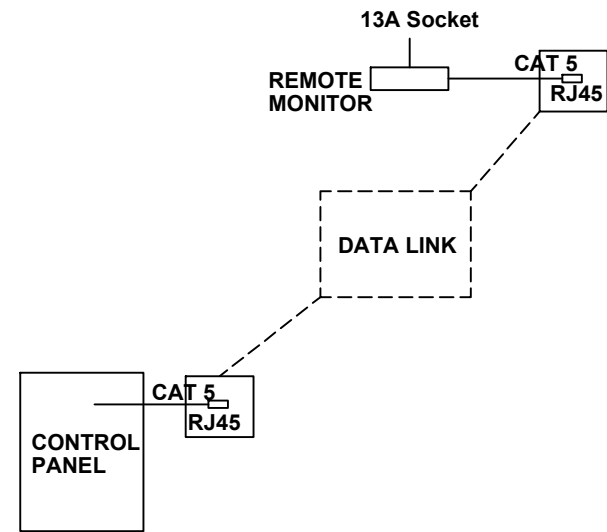
- Tri-Separator Minimum Dims Drawing
- Tri-Separator Recycling Hopper Specification
- Hardall Tri-Separator Drawing
- Hardall Tri-Separator Information Sheet
- Hardall Bin Sensors & Monitoring Sheet
- Photo Sheet
- Extract from Pre-Application Report

The bin store will be locked, as specified by Reading Borough Council housing officers. It will be secured with a magnetic lock and connected to the building's access control system.

[08/02/23]

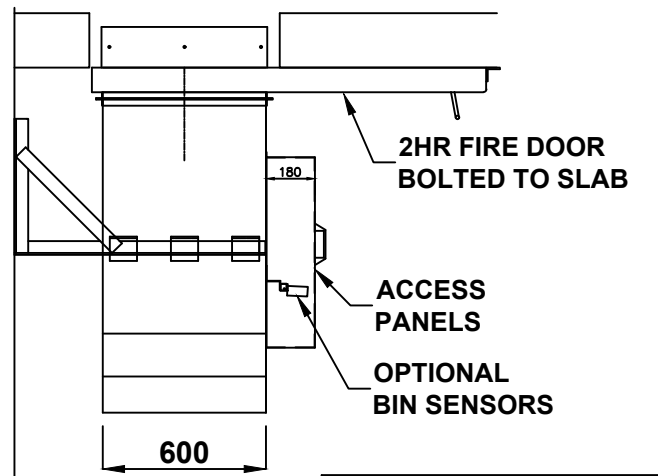
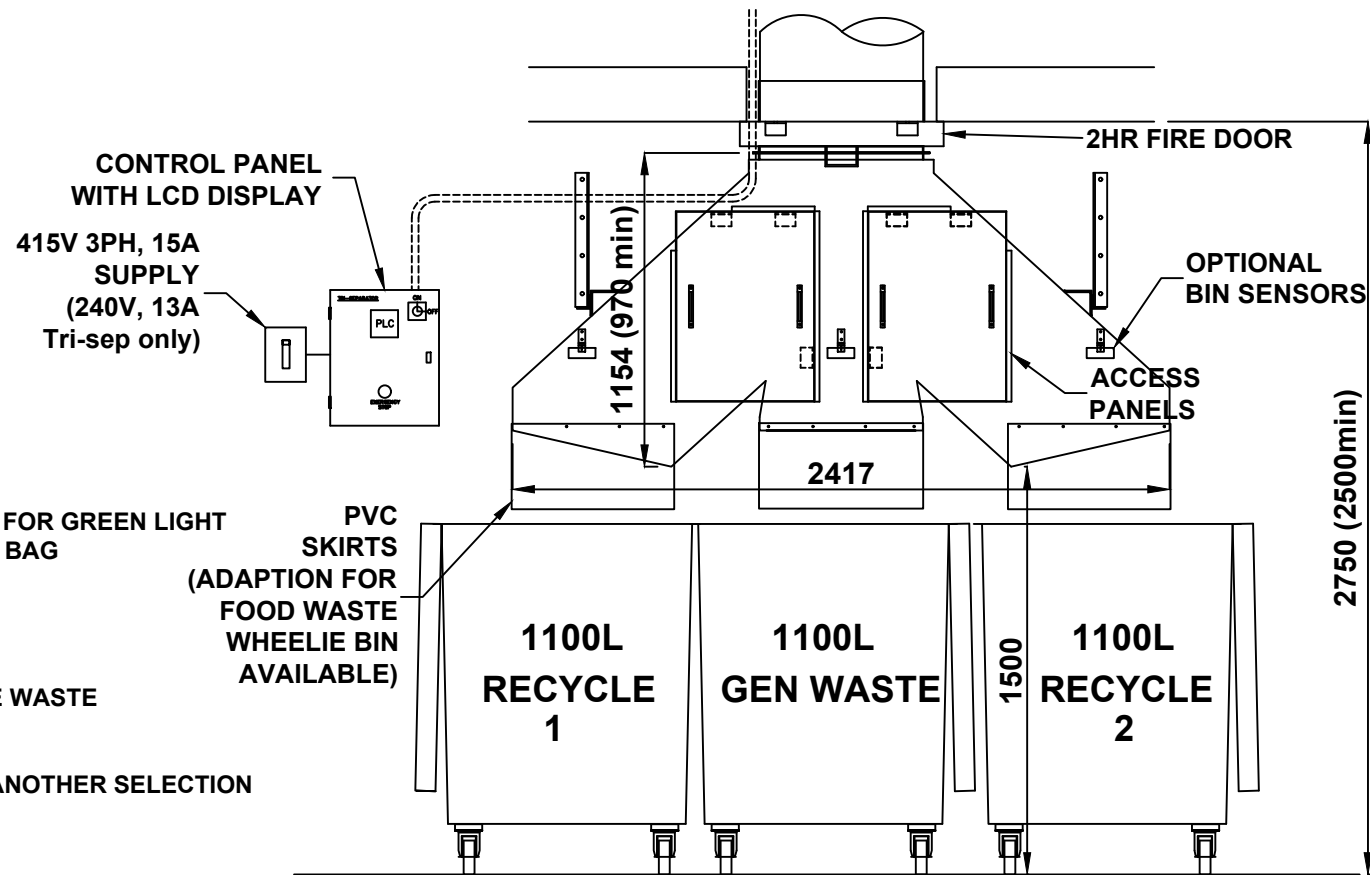
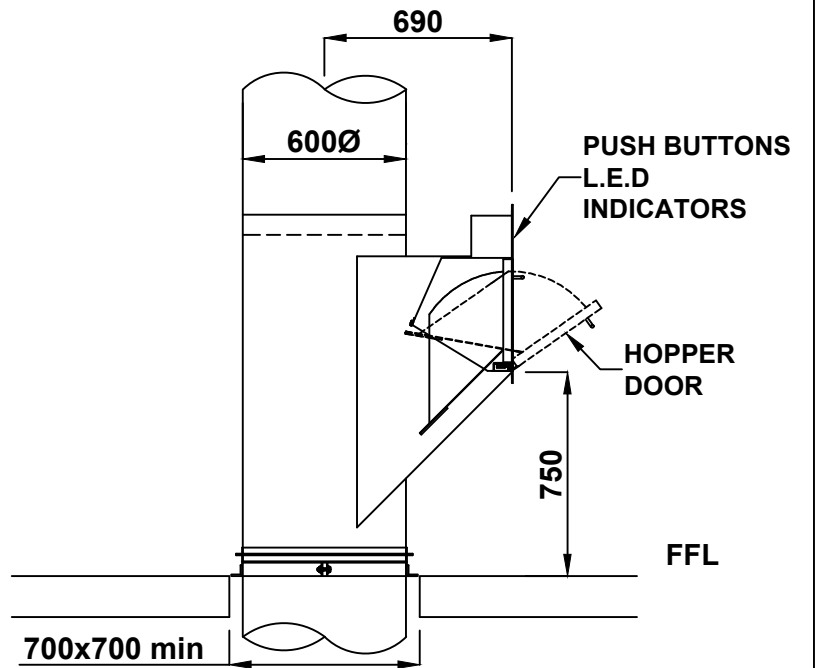
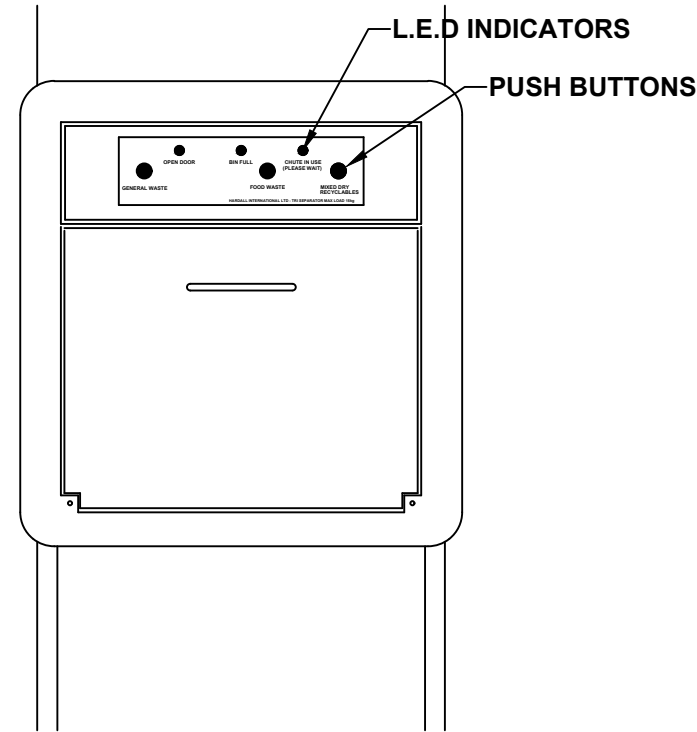
OPTIONAL BIN SENSOR & REMOTE MONITOR

BIN SENSORS WHEN TRIGGERED LOCKS HOPPER DOOR FOR SELECTED WASTE TYPE. AMBER L.E.D DISPLAYS. REMOTE MONITOR ALSO AVAILABLE FOR LOCATING IN CONCIERGE OR MANAGEMENT OFFICE. REMOTE MONITOR REQUIRES CAT 5 DATA LINK BETWEEN BIN STORE AND CONCIERGE OR MANAGEMENT OFFICE



TRI-SEPARATOR OPERATION

1. REST POSITION, NO LIGHTS
2. PUSH BUTTON FOR GENERAL WASTE
3. RED LIGHT WILL FLASH AS DEFLECTOR MOVES, WAIT FOR GREEN LIGHT
4. PULL HANDLE TO OPEN HOPPER & DEPOSIT RUBBISH BAG
5. CLOSE HOPPER STARTS TIMER DELAY
6. RED LIGHT DISPLAYS 'CHUTE IN USE' ON ALL FLOORS
7. SELECT & PUSH BUTTON FOR RECYCLE WASTE
8. WAIT FOR GREEN LIGHT
9. PULL HANDLE TO OPEN HOPPER & DEPOSIT RECYCLE WASTE
10. CLOSE HOPPER STARTS TIMER DELAY
11. RED LIGHT ON ALL FLOORS
12. AMBER LIGHT (IF FITTED) INDICATES BIN FULL, TRY ANOTHER SELECTION



600 SIZE TRI-SEPARATOR



Hardall International Ltd.

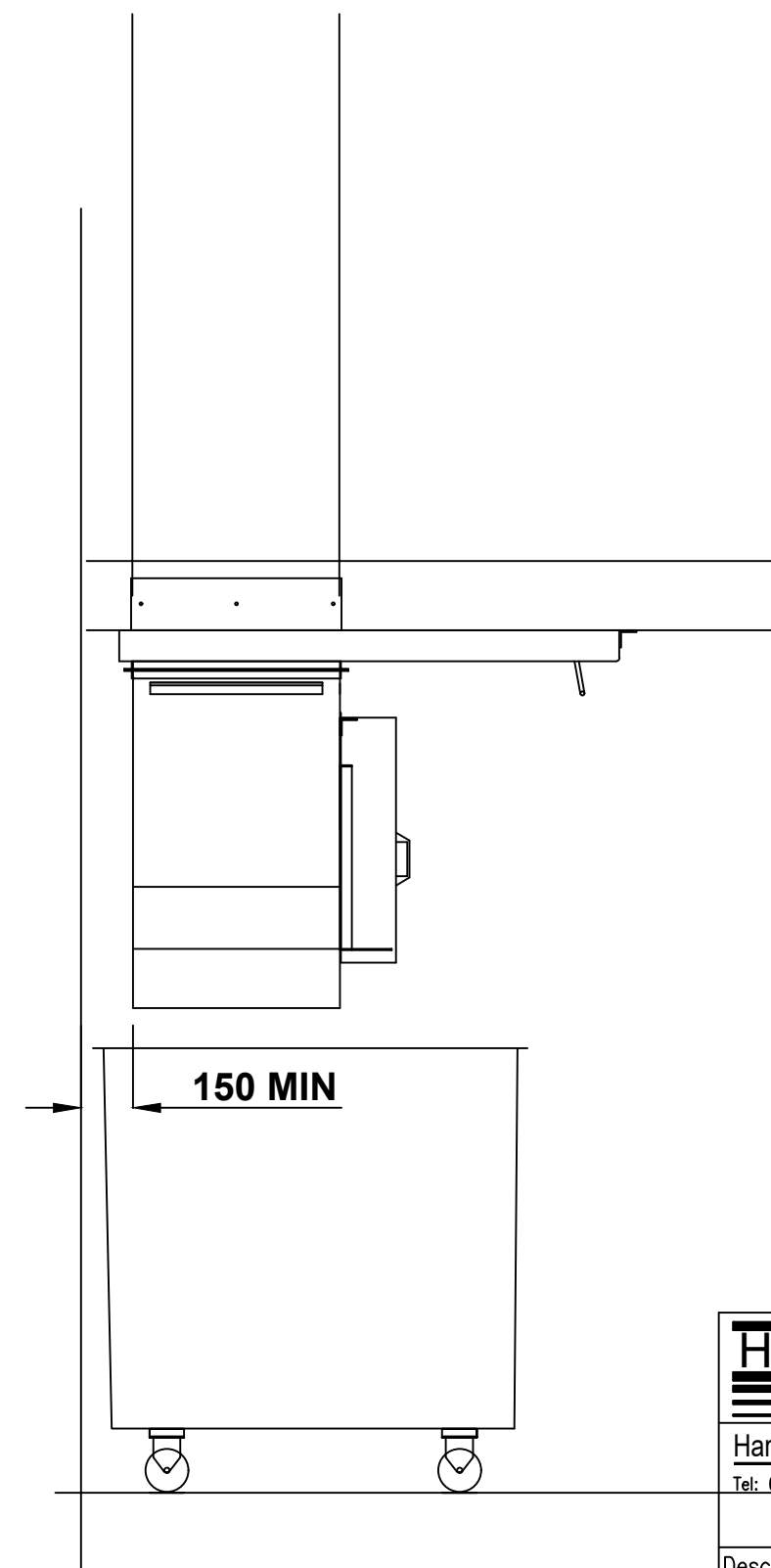
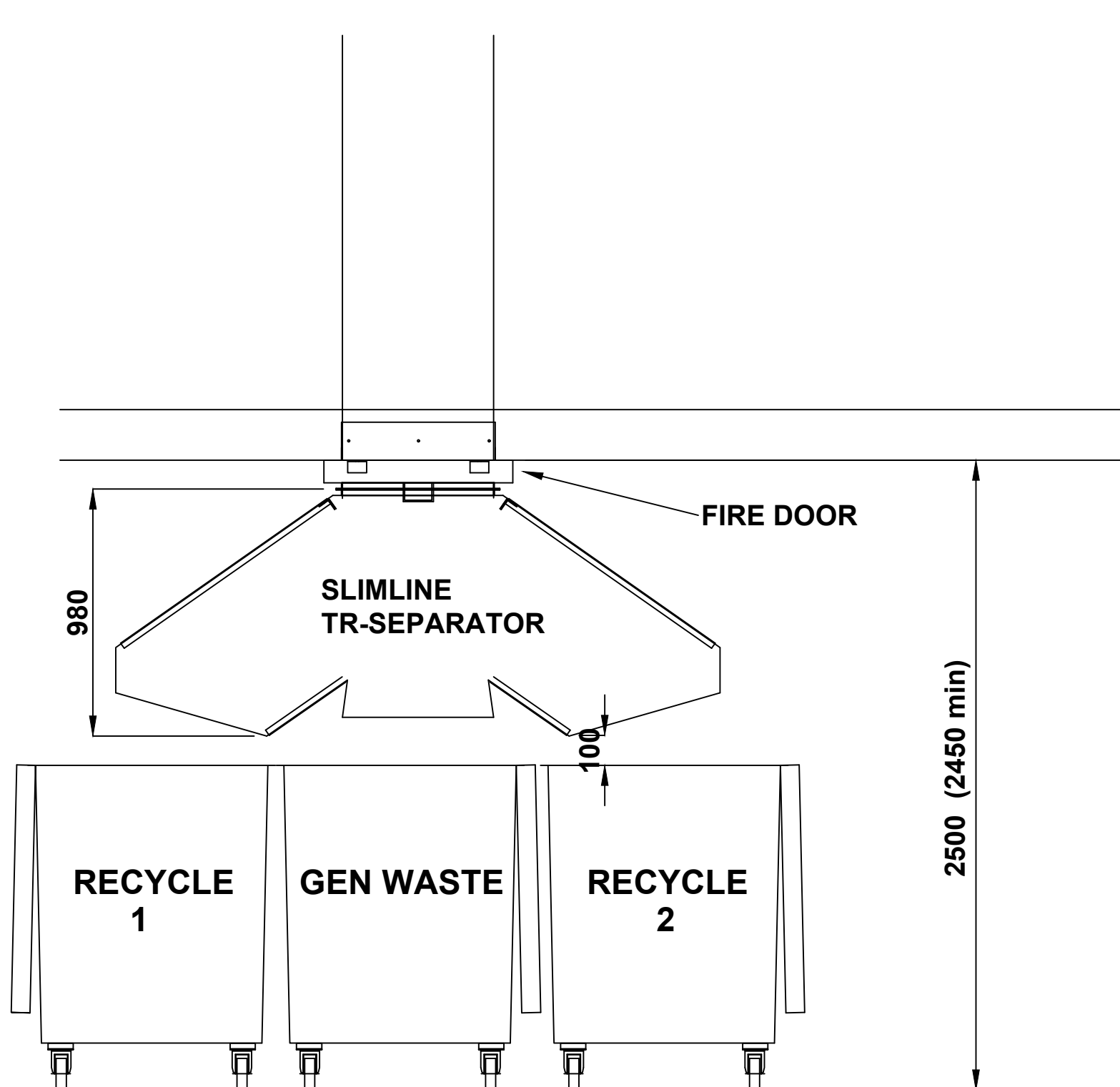
Tel: 01582 500860

Web: www.hardall.co.uk

Description:-

HARDALL TRI-SEPARATOR

Drawn:-	Issue		
GH	Scale:-		
Checked:-			
Date:-	Drg No:-		
NOV 19			



Hardall International Ltd.
Tel: 01582 500860

Description:-

TRI-SEPARATOR
MINIMUM DIMS

Drawn:- GH	Issue		
Checked:-	Scale:-	nts	
Date:- Nov 20	Drg No:-	tri-sep2.dwg	



Tel: 01582 500860
www.hardall.co.uk

SPC HOPPERS

SPECIFICATION

Smoke resistant to BS476 Sec. 31.1, Fire Resistant to BS476 Part 22, Sec. 6
Vandal Proof & Flush Fitting to BS1703 Sec 6.3.3.5 Self Closing to BS1703 6.3.3.4
Grey Hammer Finish, Electrically Interlocked. Push button selects & LED indicators
for recycling.

COMPLIANCE WITH BS476 and BS5588



TRI-SEPARATOR RECYCLING HOPPER

Hardall Tri-Separator

Hardall

The user personally selects the type of waste to be deposited down the chute by pushing the respective button on the push button panel above the door.

The deflector on the Tri separator unit quickly moves to the required position indicated by an illuminated green light 'open door' at which point the door can be opened and the waste deposited. When the door is closed the deflector moves back to the default position with both deflectors vertical.

A red light on the panel indicates the chute is busy, already in use on another floor or the bins are currently being emptied. The hopper door will remain locked in this condition.

An amber light if fitted on the panel indicates that bin is full (bin sensors required)

The addition of bin sensors to detect a full bin is recommended for improved management of the chute system.

This system is suitable for use with standard refuse containers and can also be used to feed general waste into an H250 bin compactor.

Power supply required: 240V, 13A Single Phase (stand alone) or 415V, 15A Three Phase when used in conjunction with an Auto-matic chute cleaning system.



Hardall Bin Sensors & Monitoring

Bin Sensors are a useful addition, particularly for recycling chutes in high rise buildings where the bins can quickly fill. A bin full alarm will lock off hopper doors preventing chute use and this can also be monitored by the addition of an optional Chute Remote Monitor. The Remote Monitor uses a graphical display to provide live status information on the chute including bin full and chute alarm conditions. BMS monitoring is also available with alarm outputs in the chute Control Panel for bin full and general chute alarm..



OPTIONAL CHUTE REMOTE MONITOR
(requires CAT 5 Data link)



3.2 Proposed Ground Floor Layout

Refuse & Recycling Facility

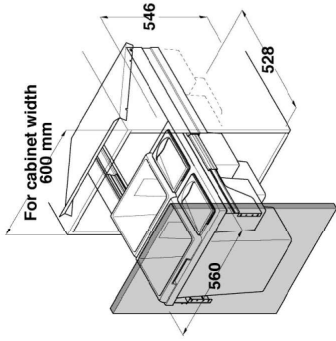
All the required bins are to be located internally and a weekly collection is proposed:

- 5 x 1100litre General Waste Bins
- 6 x 1100litre Dry Mixed Recycling Bins
- 1 x 1100litre Food Waste Bin

It is proposed that the existing refuse chute will be replaced with a tri-separator system allowing it to be used for general waste, mixed dry recycling and food waste, accompanied by management initiatives. An initial site survey has been carried out by refuse chute installer to ensure that this is feasible.

Cycle Storage

Owing to the popularity of the existing cycle lockers on site, currently four lockers per block, the decision was taken that an increased number of external individual and family cycle storage lockers are to be provided. Further information regarding the proposed locations are included within the landscape section of the report.



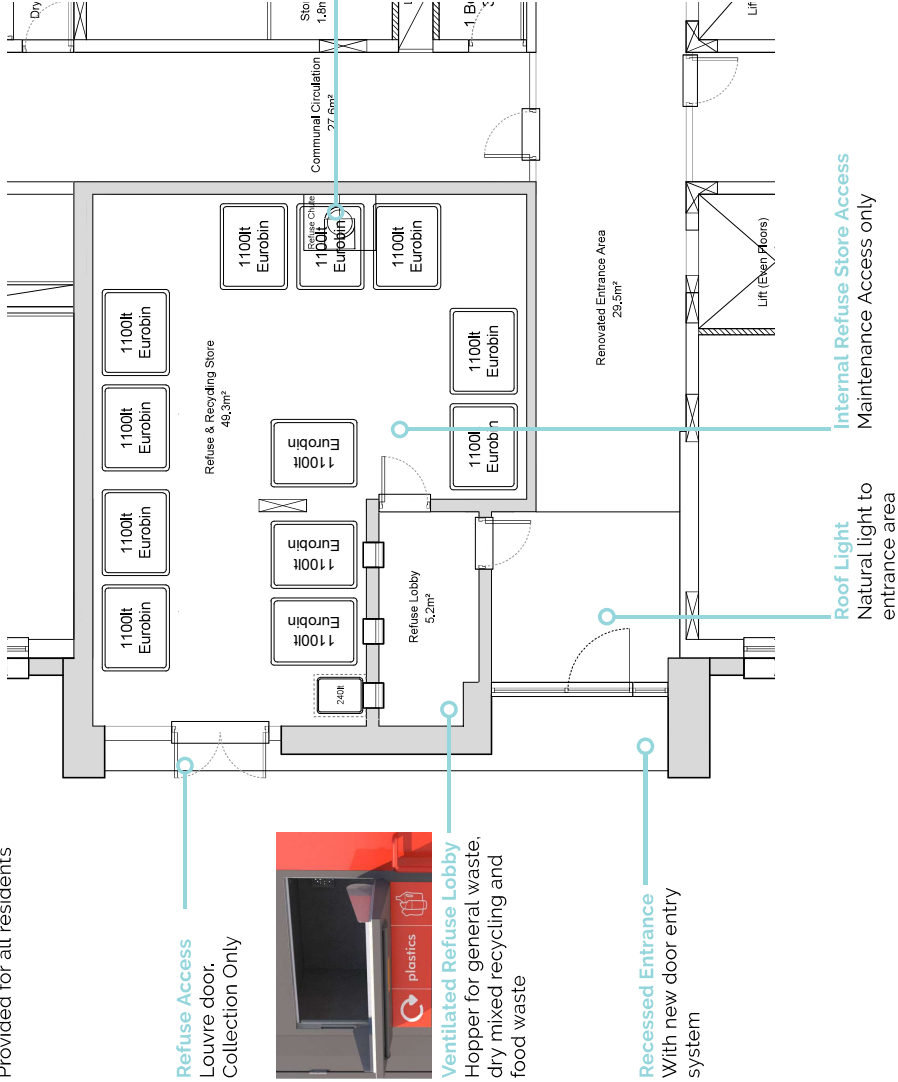
Appropriately sized

Provided for all residents



External Cycle Lockers

A mix of individual and a family (2 bike) storage lockers. Proposed locations is included in the landscape section.



Refuse Access
Louvre door.
Collection Only

Ventilated Refuse Lobby
Hopper for general waste, dry mixed recycling and food waste

Recessed Entrance
With new door entry system

Roof Light
Natural light to entrance area

Internal Refuse Store Access
Maintenance Access only



Tri-separator refuse chute
For use with general waste, dry mixed recycling and food waste

Clear Signage
Throughout circulation areas

