

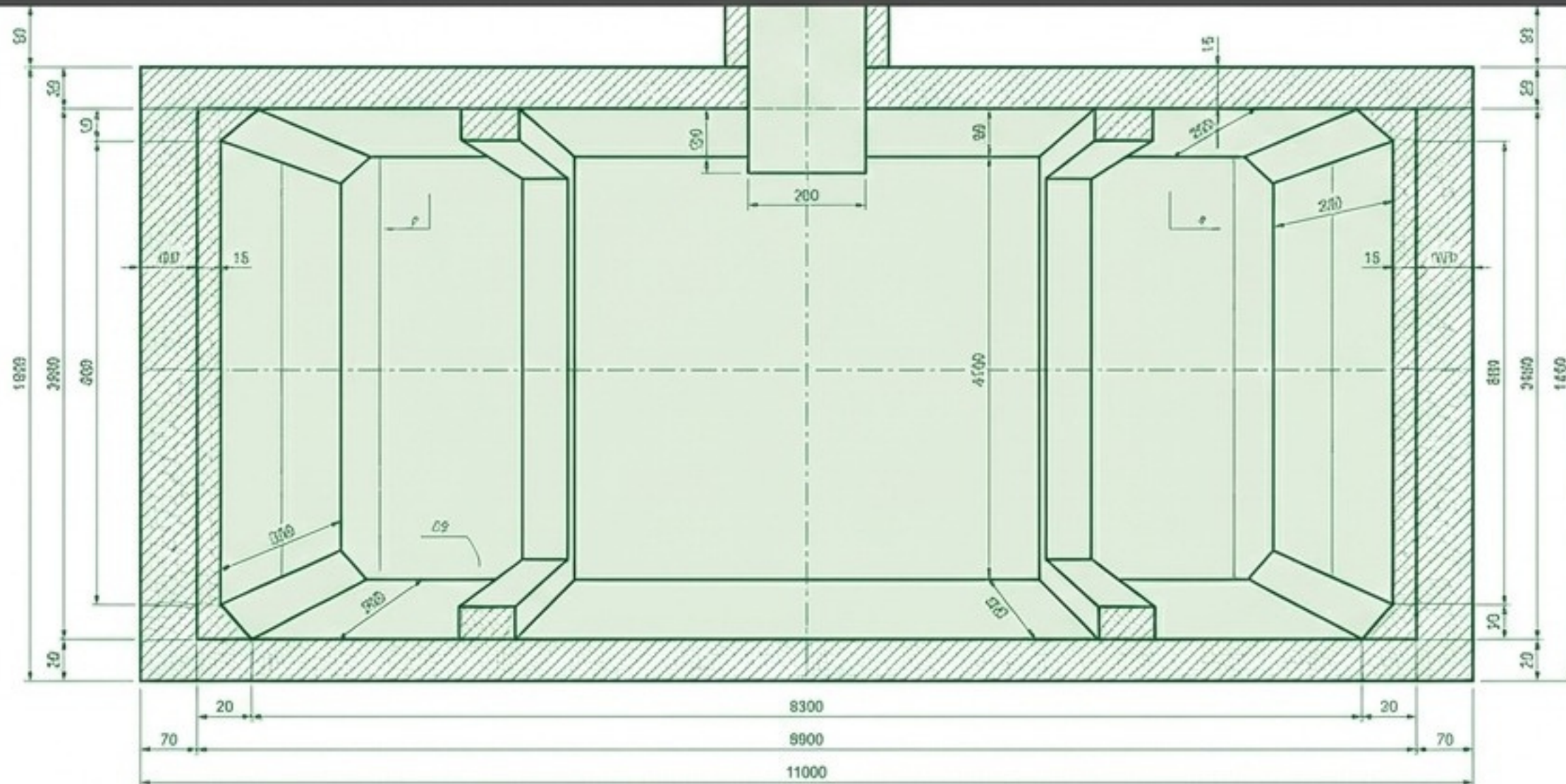


High-Capacity Underground Waste Systems

Engineering Invisible Urban
Urban Infrastructure
(3500L & 5000L Specifications)

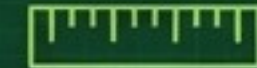


The Urban Advantage: Invisible Volume, Visible Aesthetics



Environmental Integration:

Designed to project an aesthetic, modern, and clean city image.



Minimal Footprint:

Only the compact intake bin is visible above ground; the primary high-capacity container remains entirely hidden.



Customizable Interface:

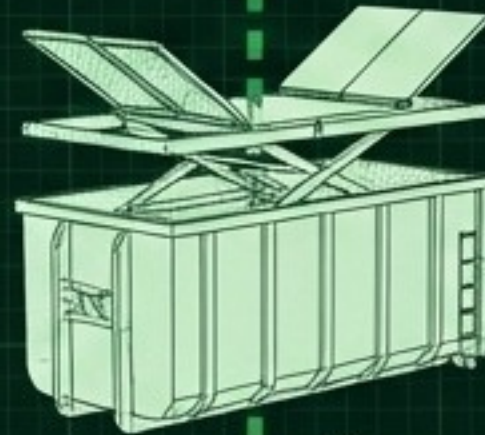
Intake bins can be tailored with different entry options, Ral color tones, or custom sticker coatings.

System Anatomy: Four Pillars of Underground Integrity

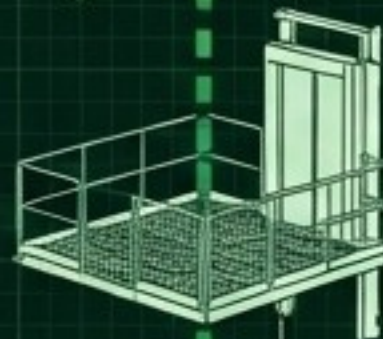
1. Throw-in Column: The visible pedestrian interface.



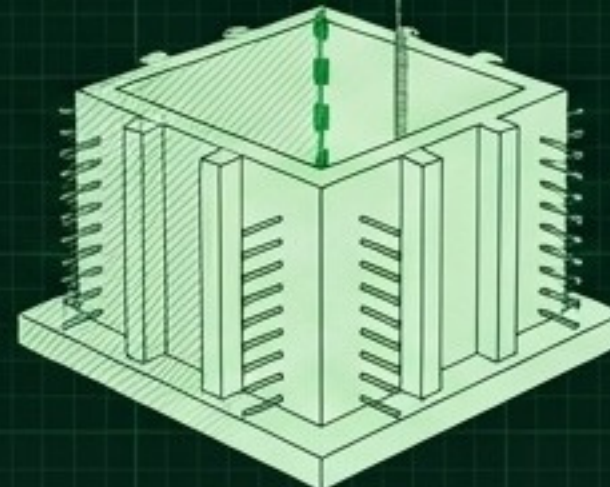
2. Container with Platform: The high-capacity core (3500L or 5000L) equipped with automated lower lds.



3. Safety Platform (Securomat): The hidden elevator mechanism safeguarding the well.



4. Concrete Element & Finishing Frame: The waterproof, monoblock foundation anchoring the system.



Above-Ground Durability: The Pedestrian Platform



Material

Manufactured from corrosion-resistant, 4-5 mm thick sheet metal.

Surface

Non-slip, teardrop-patterned finish specifically engineered for safe pedestrian traffic.

Weathering

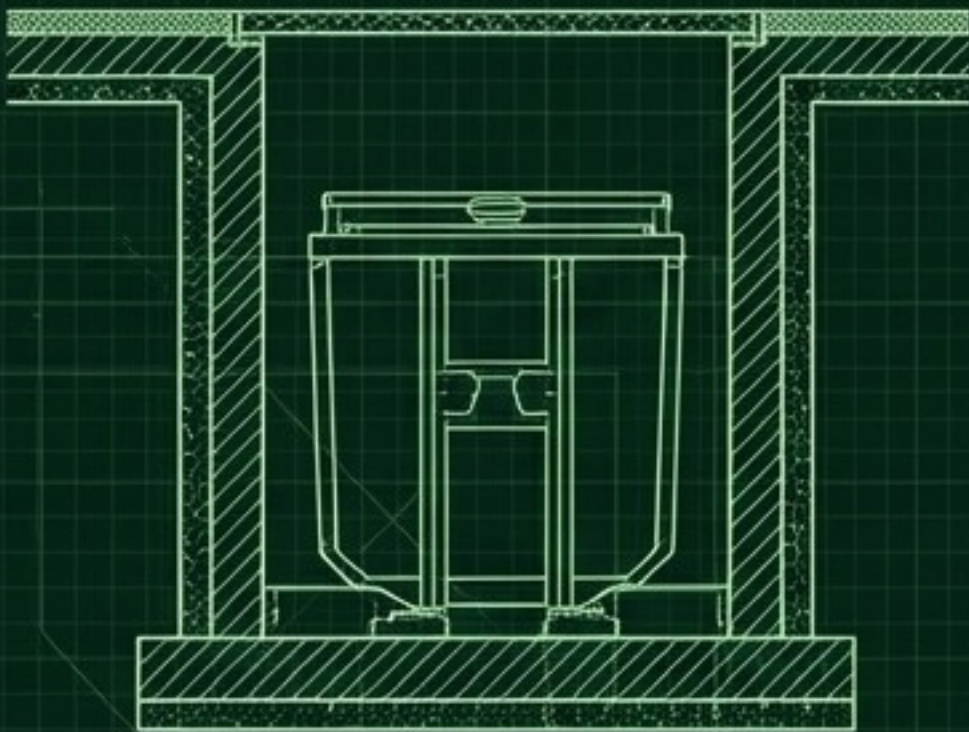
Treated with a sun rays-resistant protective coating for long-term outdoor deployment.

Structural Reinforcement

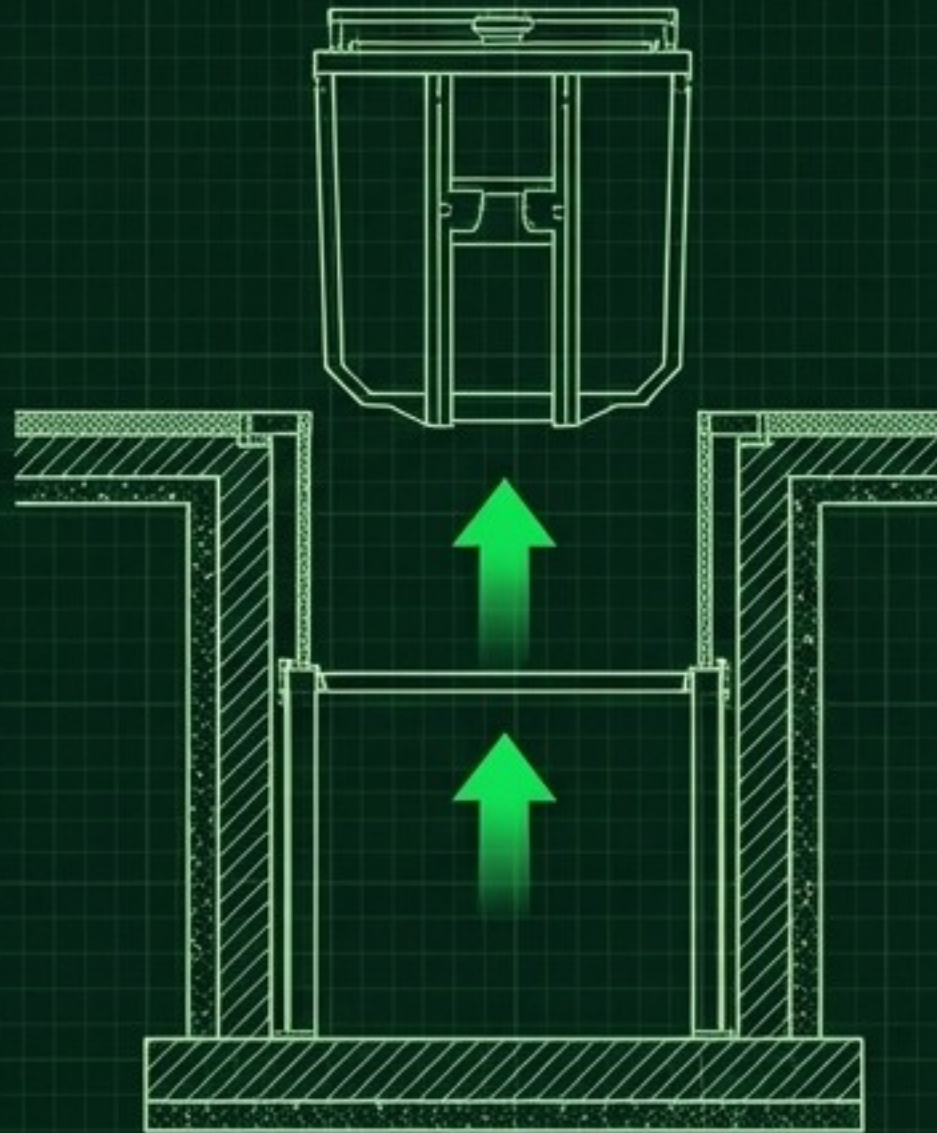
The bottom surface is reinforced with calculated steel bars/profiles to completely eliminate upper sheet bending under heavy foot traffic.

The Securomat Safety System: Automated Fall Prevention

Panel A: Normal Use



Panel B: Emptying Mode



Mechanism:

Integrated elevator system automatically closes well entrance when inner container is removed.

Capacity:

Lifting capacity of 200 to 250 kg, ensuring absolute security against falls.

Material Science:

Manufactured from premium TS 10346 quality galvanized sheet.

Poles:

Constructed from 275 kg/m² galvanized sheet (TS EN 10346 standard) with a rigorous minimum thickness of 2.00 mm.

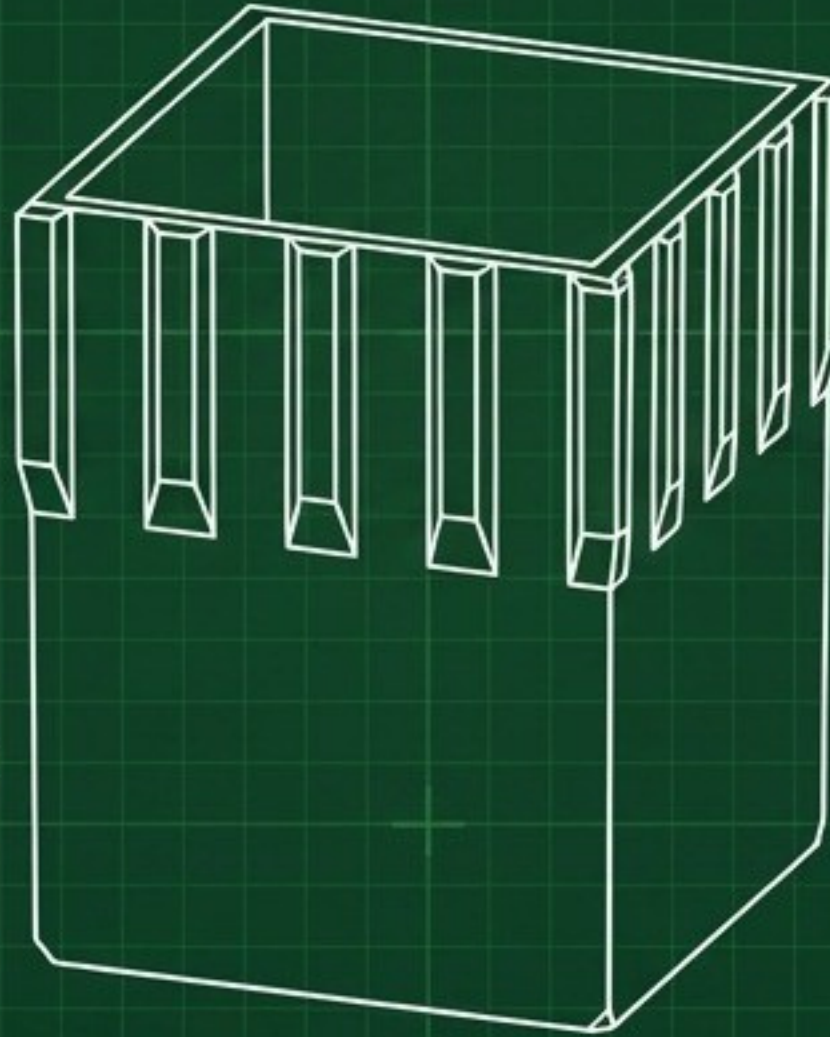
Monoblock Concrete Foundation: Waterproof Engineering

Monoblock Casting:

Manufactured strictly as a one-piece poured concrete socket. Multi-piece, retrofitted sockets are explicitly rejected to maintain structural integrity.

Reinforcement:

Integrated with 8 mm thick ribbed rebar for maximum subterranean durability.



Concrete Grade: Cast using reinforced, waterproof concrete of C35/C40 long-term strength class.

Environmental Seal: The outer concrete socket guarantees 100% waterproofing, protecting the municipal soil and internal container.

Operational Logistics: Remote-Controlled Efficiency

Step 1: Crane Engagement



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The collection vehicle's crane attaches seamlessly to the specialized head mechanism of the hidden container.

Step 2: Securomat Activation



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As the container is hoisted, the Securomat elevator automatically seals the pedestrian well.

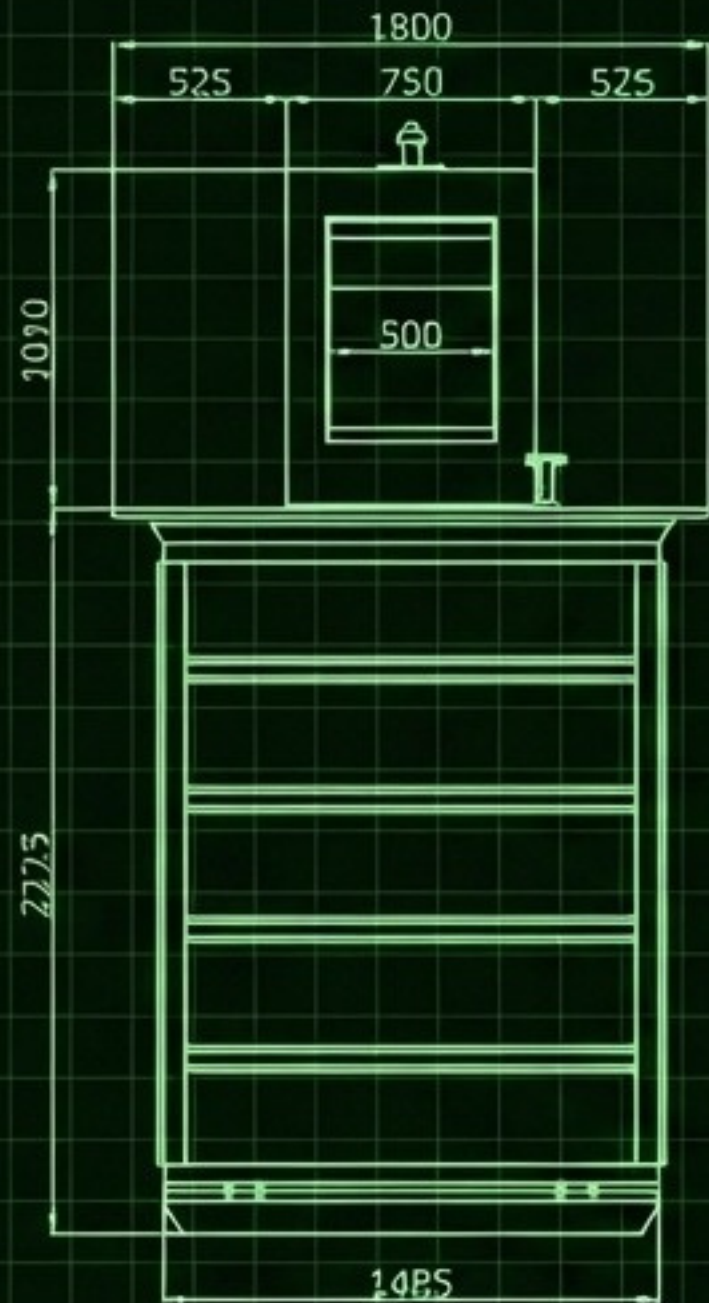
Step 3: Remote Unloading



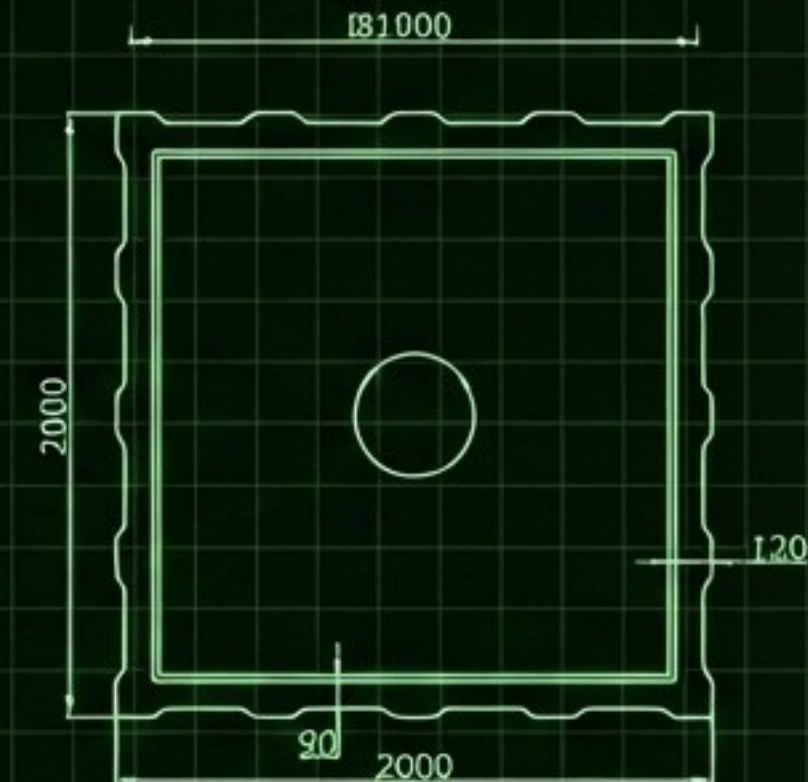
Step 3: Remote Unloading

The driver manages the entire unloading process safely via remote control, automatically opening the lower lids of the container to release the waste.

Technical Specifications Matrix: High-Capacity Models



	3500 Liter Model	5000 Liter Model
Container Dimensions	1.750 x 1.600 x 1.600 mm	1.750 x 1.600 x 1.600 mm
Concrete Wall Thickness	120 mm	120 mm
Internal Socket Dimensions	1.760 x 1.760 x 2.380 mm	1.760 x 1.760 x 2.380 mm
External Socket Dimensions	2.000 x 2.000 x 2.480 mm	2.000 x 2.000 x 2.480 mm



Insight: Standardized socket footprints allow municipalities to plan infrastructure uniformly while choosing the capacity that fits zonal demands.

Global Manufacturing Standards & Assurance



European Standards

All underground waste systems are strictly manufactured to European standards for domestic waste.



Certified Quality

Production facilities and products hold CE, ISO 45001:2018, and ISO 10002:2018 certifications.



Legacy of Trust

Hedef has been pioneering sustainable waste management solutions since 1985, serving major municipalities globally.



Long-Term Design

Engineered explicitly for extended lifecycle use in harsh urban environments.



Partner with Hedef for a Cleaner Urban Future

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