



**PARAGON
ECOLOGICAL
SOLUTIONS +
CONSTRUCTION**

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Company Profile 2020





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To the movers and changers of our society:

The Philippines continues to face health and environmental issues that can be traced to poor awareness on proper waste management. Our country suffers from air and water pollution, soil acidity, and high rates of dengue and leptospirosis.

But why?

With all their duties and responsibilities, local government units (LGUs) sometimes struggle to comply with **RA 9003** or the **Ecological Act of 2000**. High costs of establishing and operating sanitary landfills (SLFs) can deter an LGU's advocacy for a cleaner, greener Philippines.

Paragon Ecological Solutions & Construction, Inc. hopes to change that.

Paragon has been providing both LGUS and the private sector with **high-quality** but **affordable** equipment for Materials Recovery Facilities (MRFs). We design, manufacture, and install equipment suited to the waste character and generation of a city or municipality. We also provide training for workers on proper operation and maintenance of the facility. **Paragon's** equipment are all locally sourced and manufactured—not only do we do our part to save the environment; we also help Filipinos earn a livelihood.

We look forward to joining your good office in your journey towards making the Philippines a cleaner and safer home for every Filipino.

Please feel free to contact us for discussions regarding the process and equipment involved in building the facility that works best for you—not to mention the benefits for your LGU.

Thank you, and we hope to be of service to you soon!

Sincerely,

Fernando F. Gallarte, Jr.

President

Paragon Ecological Solutions & Construction, Inc.



About the Company

Paragon Ecological Solutions & Construction, Inc. is engaged in the designing, manufacturing, installation, and operation of solid waste material recovery facilities. We are committed to a zero-waste future and a safe environment for all Filipinos.

Our designs are guided by the provisions of Republic Act 9003 and ANSI Z245 standards for waste recycling. We customize our equipment and system to suit the local government unit's waste management plan, utilizing locally-available materials for sustainable operations.


Mission


To work towards maintaining a safe and clean environment for our community through the application of usable and efficient equipment for solid waste recycling


Vision


To reuse and recycle the waste produced by every person through environment-friendly solutions


Contact

 Room 211 Jiao bldg. 2 Timog ave.
Brgy. Paligsahan Quezon City

 Guballa st. Pulong Buhangin Sta. Maria,
Bulacan

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 paragonecological.com

Company Details



General Information

Name:	Paragon Ecological Solutions & Construction, Inc.
Plant Address:	Guballa st. Pulong Buhangin Sta. Maria, Bulacan
Office Address:	Rm. 211 Jiao bldg. 2 Timog ave. Barangay Paligsahan Quezon City
Phone Number:	(02) 7976-5145
Email:	contact@paragonecological.com
Website:	paragonecological.com

Business Details

Established:	November 17, 2008
Area of Business:	Manufacturing
Main Products:	Design and manufacturing of different high-quality, advanced and practical equipment for solid waste handling and recycling equipment, food, beverages, packaging, mining and other industrial materials handling equipment, crop processing and feed-mills equipment, mining laboratory equipment, and other allied and special equipment and horizontal constructions
Main Services:	Maintenance and operation of materials recovery facilities

Business Organization

President	Fernando F. Gallarte, Jr.
Vice-President for Finance	Ronald A. Varca
Vice-President for Marketing	Nicole Agatha R. Cruz
Technical Consultants	Engr. Virgilio P. Soriano, Registered Metallurgical Engineer Ms. Necy Gallarte, Registered Chemist

Plant Details

Total Fabrication Area:	~ 300 sq.m.	
Lot Area:	1,600 sq.m.	
Plant Equipment:	5 units lathe machine	3 units drill press
	1 unit milling machining	1 set automatic cutting outfit
	1 unit shaper	2 sets cutting outfit
	1 unit surface grinder	2 units plasma cutter
	1 unit mechanical press	2 units generator set
	5 units welding machine	2 units delivery truck



Products



PLASTIC SHREDDER

Plastic shredders reduce the size of plastic materials such as plastic shopping bags, plastic bottles and containers in preparation for processing (molding).



BIOWASTE SHREDDER

Biowaste shredders reduce the size of different biodegradable materials such as leaves, coconut husks, market vegetable wastes, etc. in preparation for composting process.



HAMMERMILL

Hammermills reduce the size of materials (usually compost lumps) by crushing them to a finer size in preparation for screening and packaging.



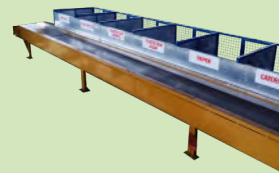
GLASS PULVERIZER

Glass pulverizers crush glass bottles or plates into cullets.



INCLINED CONVEYOR

Inclined conveyors are utilized for feeding or discharging materials to trommels, holding tanks, or trucks.



SORTING CONVEYOR

Sorting conveyors are utilized for efficient and orderly picking of recyclable materials. They come in different sizes depending on plant capacity.



JAW CRUSHER

Jaw crushers are used to crush rocks into smaller sizes.



DECORTICATOR

Decorticators crush coconut husks to separate dust and fibers.



MANUAL HAY BALER

Manual hay balers are horizontal constructions for baling hay and forage. They can also be used on plastic films, paper and cloth.



FORAGE CHOPPER

Forage choppers are used for size reduction of grass, utilized as feedstock for domestic animals.

Projects



MEYCAUAYAN, BULACAN

2008

Services:	Supply, installation, and training
Product:	Materials recovery facility (MRF) with residual processing and composting facility
Capacity:	120 tons per day
Duration:	Six months



CONCEPCION, TARLAC

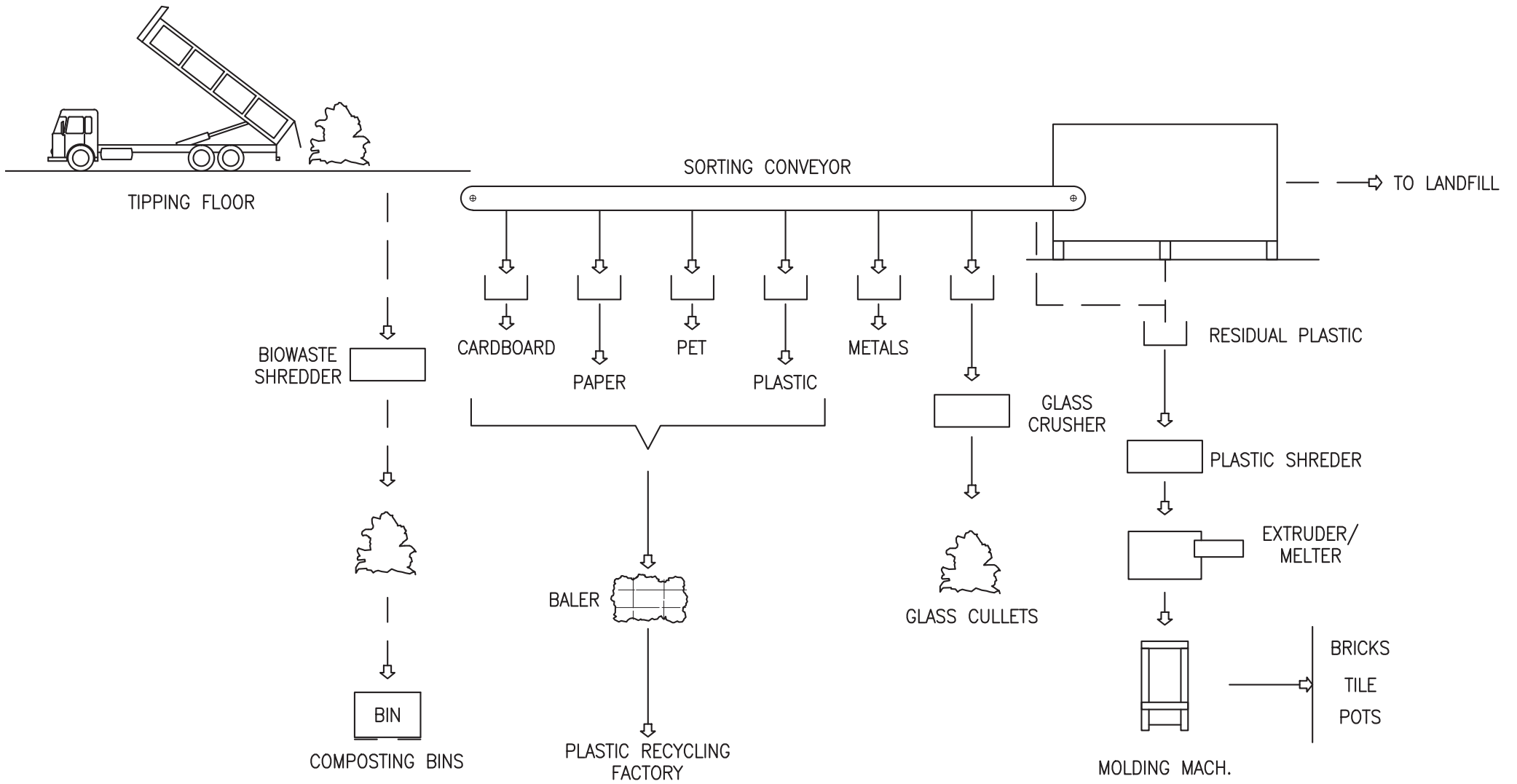
2016

Services:	Supply, installation, and training
Product:	Materials recovery facility (MRF) with residual processing and composting facility
Capacity:	18 tons per day
Duration:	Six months

Other Projects

- Ibajay, Aklan
- Ligao, Albay
- Baler, Aurora
- Samal, Bataan
- Naga City, Camarines Sur
- Calumpit, Bulacan
- Hagonoy, Bulacan
- San Rafael, Bulacan
- Lupi, Camarines Sur
- Mercedes, Camarines Sur
- Ragay, Camarines Sur
- Sipocot, Camarines Sur
- Panitan, Capiz
- Banate, Iloilo
- San Fernando, Pampanga
- Bulan, Sorsogon
- Irosin, Sorsogon
- Juban, Sorsogon





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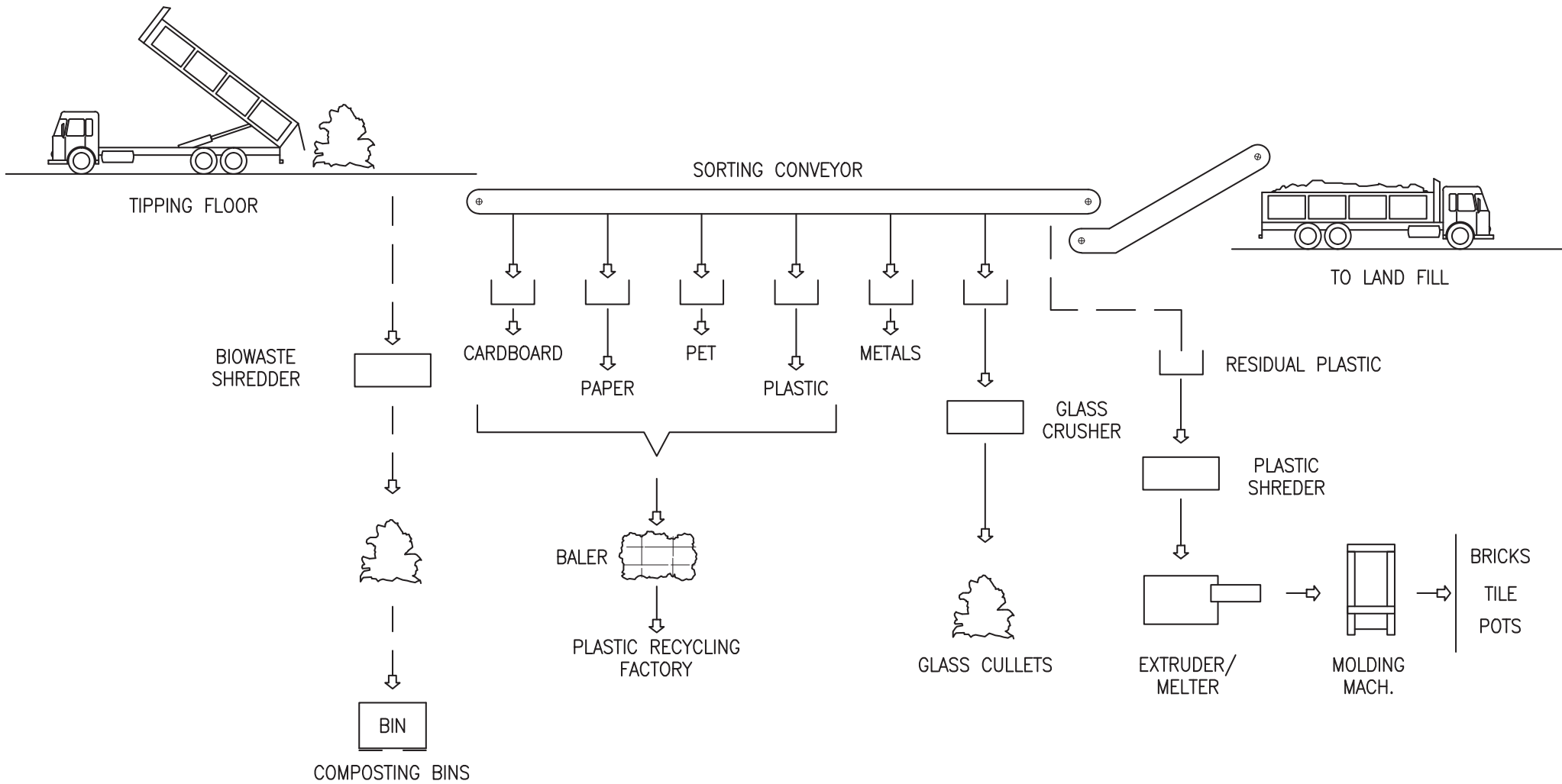
15 TPD Materials Recovery Facility

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15 TPD Capacity MRF Equipment List and Fixtures

1. Basic Equipment
 - a. Sorting Conveyor (Floor-mounted)
 - b. Recyclable Material Bins
 - c. Holding Tank
 - d. Biowaste Shredder
 - e. Vertical Baler
 - f. Vibrating Screen
2. Residual Processing
 - a. Glass Crusher
 - b. Plastic Shredder
 - c. Plastic Melter/Extruder
 - d. Molding Machine
 - e. Molds
3. Composting
 - a. Hammermill
 - b. Diaper Shredder



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25 TPD Materials Recovery Facility

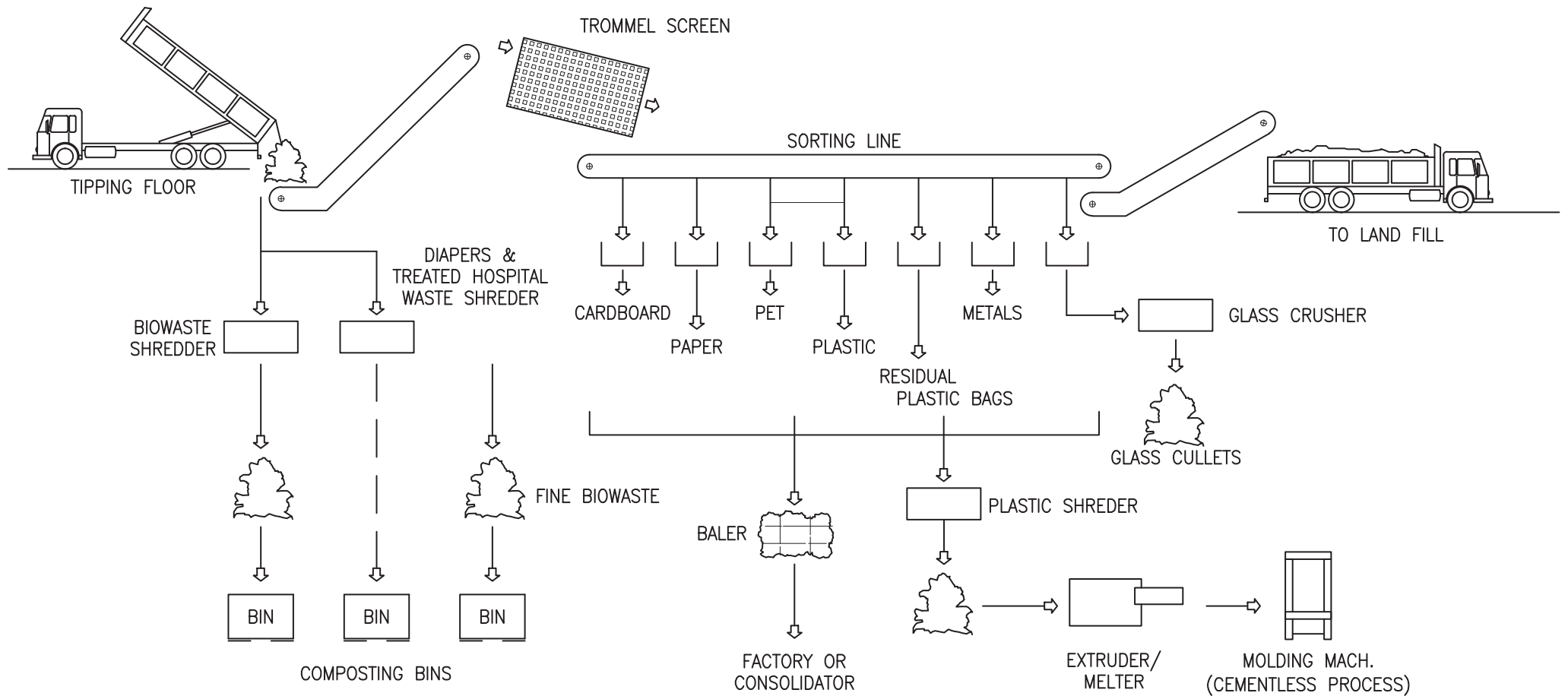
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25 TPD Capacity MRF

Equipment List and Fixtures

1. Basic Components
 - a. Sorting Conveyor (Single-line, floor-mounted)
 - b. Recyclable Material Carts
 - c. Discharge Conveyor
 - d. Holding Tank
 - e. Biowaste Shredder
 - f. Vertical Baler
 - g. Vibrating Screen
2. Residual Processing
 - a. Glass Crusher
 - b. Plastic Shredder
 - c. Plastic Melter/Extruder
 - d. Molding Machine
 - e. Molds
3. Composting
 - a. Biowaste Squeezer
 - b. Hammermill
 - c. Diaper Shredder



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80 to 120 TPD Materials Recovery Facility

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80 to 120 TPD Capacity MRF

Equipment List and Fixtures

1. Material Recovery and Recycling
 - a. Sorting Conveyor (3 lines, elevated)
 - b. Sorting Platform
 - c. Loading Conveyor
 - d. Trommel Screen
 - e. Fine Biowaste Discharge Conveyor
 - f. Recyclable Material Carts
 - g. Discharge Conveyor
 - h. Horizontal Baler
 - i. Biowaste Shredder
 - j. Vibrating Screen
2. Residual Processing
 - a. Glass Crusher
 - b. Plastic Shredder
 - c. Plastic Melter/Extruder
 - d. Molding Machine
 - e. Molds
3. Composting
 - a. Back-up Mobile Biowaste Shredder
 - b. Hammermill
 - c. Diaper Shredder
4. Other Recycling Equipment
 - a. Tire Recycling
 - i. Wire Extractor
 - ii. Tire Cutter
 - iii. Rubber Crumb Machine