



Modular Biofiltration System

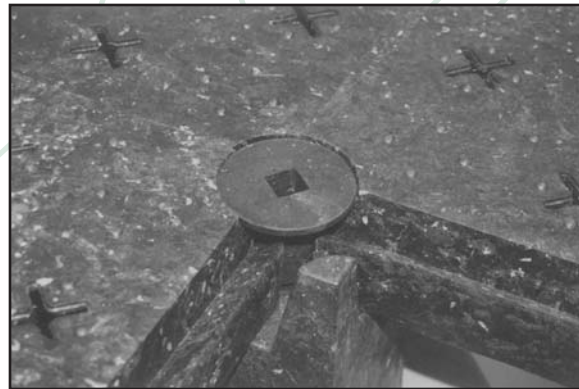
1-(800)-473-7440

W W W . B I O F L O O R . C O M

MODULAR



SYSTEM



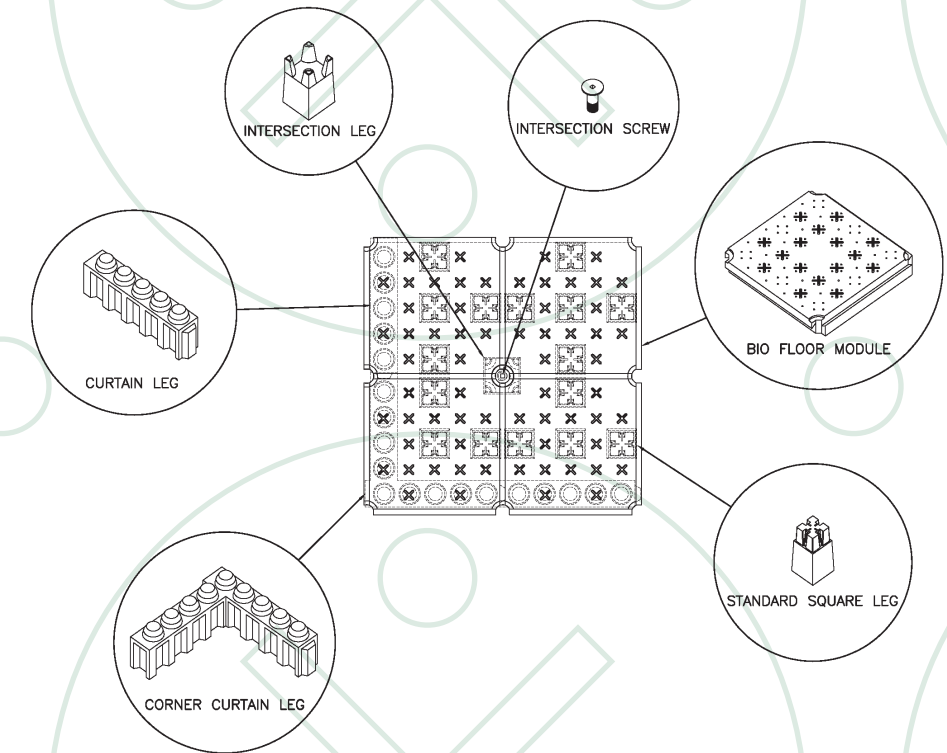
Screw and Leg Connection



Intersection Leg CM150



Intersection Screw CM200



Standard Square Leg CM125



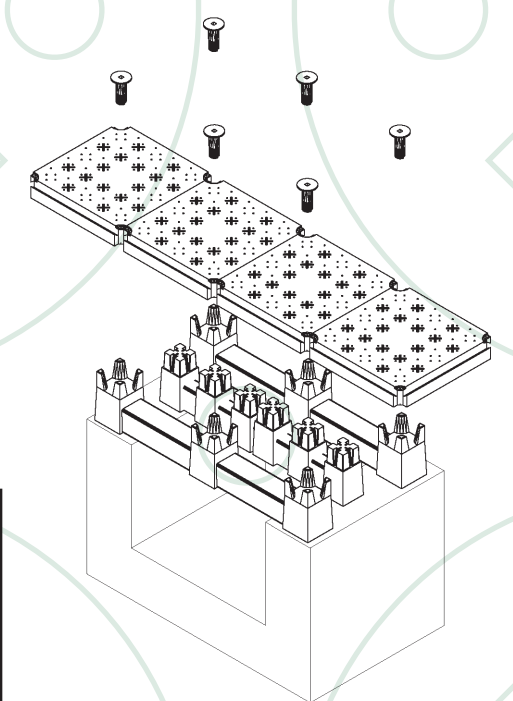
Bio Floor™ module CM100



Bio Floor™ Bottom CM100



Assembled Bio Floor™



Bio Floor™ system installed in 3 sided concrete vault loaded and unloaded from open side.



Cover Floor System Combination



Tractor courtesy of Holt Tractor of Sacramento

U.S. Patent 6,255,102

SPECIFICATION FOR COMPOSTING BIOFLOOR

GENERAL

This specification is for a fully engineered compression molded polyethylene perforated floor system for composting organic material. The system is comprised of a modular elevated perforated floor with corner screws fastened to a common leg. As manufactured by HALLSTEN CORPORATION, P.O. BOX 41036, Sacramento, CA 95841, (800) 473-7440.

ENGINEERING

A submittal shall be provided to the engineer prior to fabrication. The submittal shall include:

- 1) Shop drawings, bearing the seal of a registered Professional Civil Engineer.
- 2) Manufacturers standard guarantee.
- 3) Certification signed and sealed by a registered Professional Civil Engineer confirming that the Composting System is in full compliance with the plans and specifications.

PERFORMANCE

- 1) The floor area shall have a minimum clear width of _____ feet and a minimum clear length of _____ feet in two foot increments.
- 2) Air flow through the floor emitters shall be a minimum of 10 CFM/FT² at a 0.2 inch water column.
- 3) Distributed Design Live Loads: All structural components shall be designed to support the dead weight of the structure plus a live load of 45,000 pounds per square foot of surface. The live load of the floor system shall have been proven and certified by the manufacturer by actual loading of the floor system.
- 4) Concentrated Live Load: The composting floor system shall be designed to support a 45,000 pound load on a 12" by 12" area located anywhere on the surface of the floor.
- 5) Pattered Floor Surface: To achieve skid resistance and to protect the floor surface during compost loading and removal the floor surface shall have a raised pattered surface.

MATERIALS

- 1) Polyethylene floor legs and floor modules shall be compression molded from recycled plastic.
- 2) Fasteners: No fasteners shall be used in the assembly or erection of the product except integral molded screw fasteners between a common corner leg and four floor modules.

FABRICATION AND WORKMANSHIP

- 1) The quality of workmanship shall be equal to the best general practice in modern compression molding casting shops.

TESTING

- 1) Loads: Pretested, the floor system will be withstand a load of 45,000 pounds on a 12" x 12" area with no lifting, tilting, or movement of the floor components.



DELIVERY AND INSTALLATION

- 1) Delivery of the components of the structure shall be made to a location nearest the site which is accessible to over the road trucks unless otherwise specified.
- 2) Storage: The contractor shall be responsible for jobsite storage of the delivered components. The components shall be stored on a level surface in such a manner as to prevent damage.
- 3) The manufacturer shall provide "as built" drawings and installation instructions to the contractor prior to the erection of the structure.
- 4) Assembly. The contractor shall furnish such personnel, tools, equipment, and materials as required to erect the structure using the procedure set out by the manufacturer.

QUALITY, INTEGRITY AND INGENUITY

Since 1966 Hallsten Corporation had designed and fabricated metal and polyethylene structures for industry. Through this time Hallsten has developed specialized products and assembly techniques that have resulted in numerous patents. Our unique products represent a significant advance in the versatility and quality of structures for Industrial, Marine and Environmental applications.

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Hallsten Corporation - We offer solutions.