



Manufacturers and Distributors of
Physical Access Control Equipment
and Biometric Systems

Single and Double Drop Arm Pedestrian Barrier

Introduction:

iMAT's single and double drop arm pedestrian barriers are designed to enhance security and manage access and entry and exit points in various environments, including offices, metros, industrial sites, and airports. These barriers are particularly well-suited for locations with high pedestrian traffic, including those used by individuals with mobility impairments.

Description:

The housing material is constructed from stainless-steel 304 for corrosion resistance and a sleek, brushed finish, or mild steel powder-coated in a standard RAL color for aesthetic flexibility and additional protection.

The mechanics and logic are located in the top section of the housing, which is easily accessible via a screw-off lid. This design allows straightforward maintenance and integration with additional access control equipment.

The barrier arm remains in a horizontal position until it receives a signal to retract. Once the signal is received, the arm retracts inside the housing and then returns to the horizontal position.

The power supply operates on 220V AC, 50Hz, which is standard for many regions and ensures compatibility with typical electrical systems.

The housing is designed to accommodate other access control components such as power supplies and control systems, providing flexibility for various installations.

This combination of materials and features ensures that the iMAT barriers are both robust and adaptable, meeting the needs of high-traffic and monitored environments effectively.

Mechanism:

The barrier features a robust precision mechanism powered by a 24V brushless DC motor, ensuring dependable operation and secure locking. Both the motor and gearbox are housed together in a single, maintenance-free enclosure.



Logics:

The barrier is equipped with comprehensive logic control, making it compatible with all access control systems. It features safety beams in both directions and includes a timeout function for enhanced security. The 24V brushless DC motor is managed by a variable speed inverter drive, ensuring quiet mechanical movement, which is particularly suitable for corporate lobbies.

Construction:

The frame should be secured to a concrete base using 10mm raw bolts or chemical anchors. For optimal performance, ensure the installation is on a level, flat, and solid surface.

Options:

We welcome inquiries about non-standard barriers, filler railings, and pedestrian gates. These can be designed to match the style of the barrier, ensuring a cohesive and integrated look.

Applications:

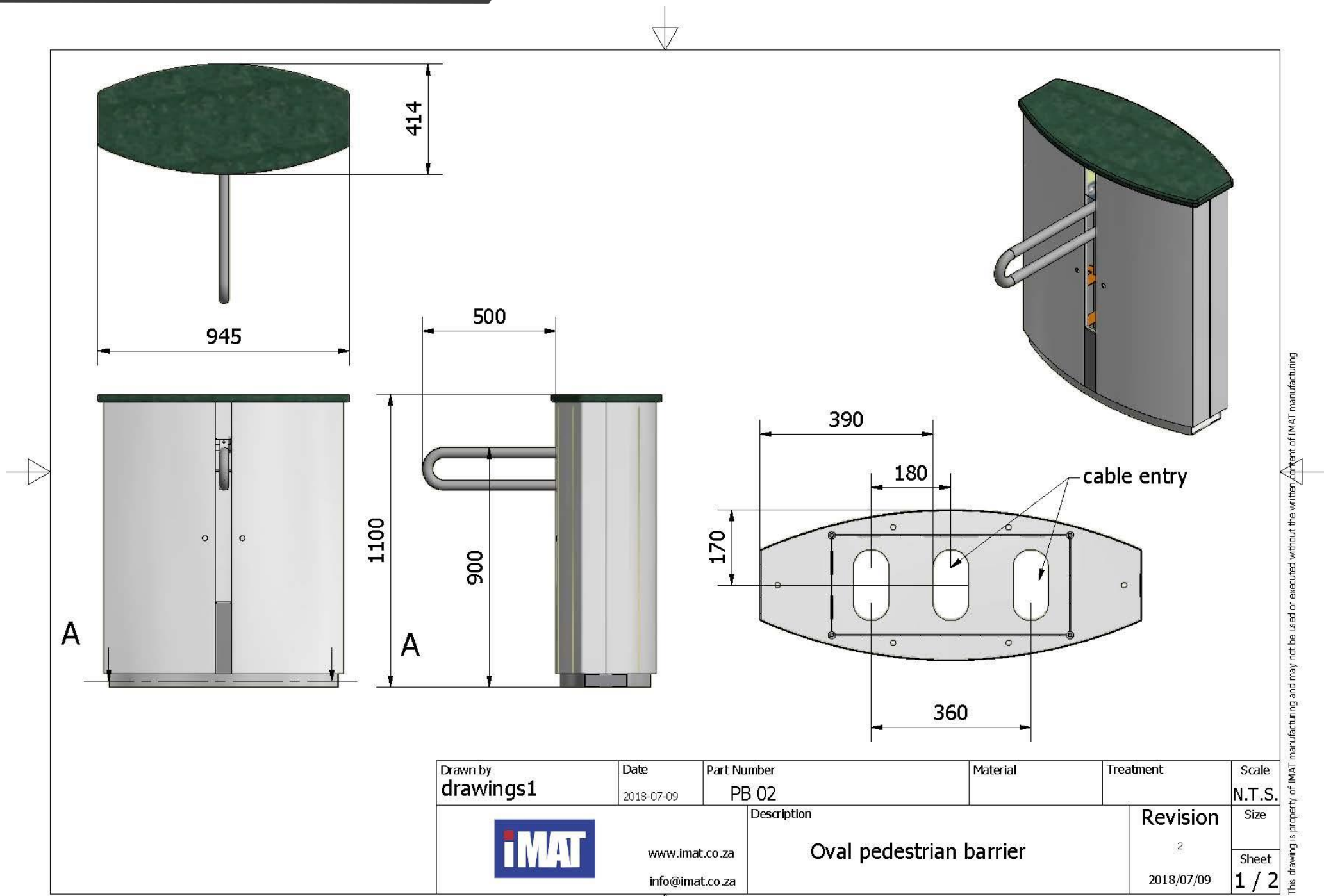
Transit facilities, educational facilities, stadium and arenas, corporate facilities, government facilities, residential complexes, public transport.

Feel free to contact us for any questions:

Email us:
promo@imat.co.za

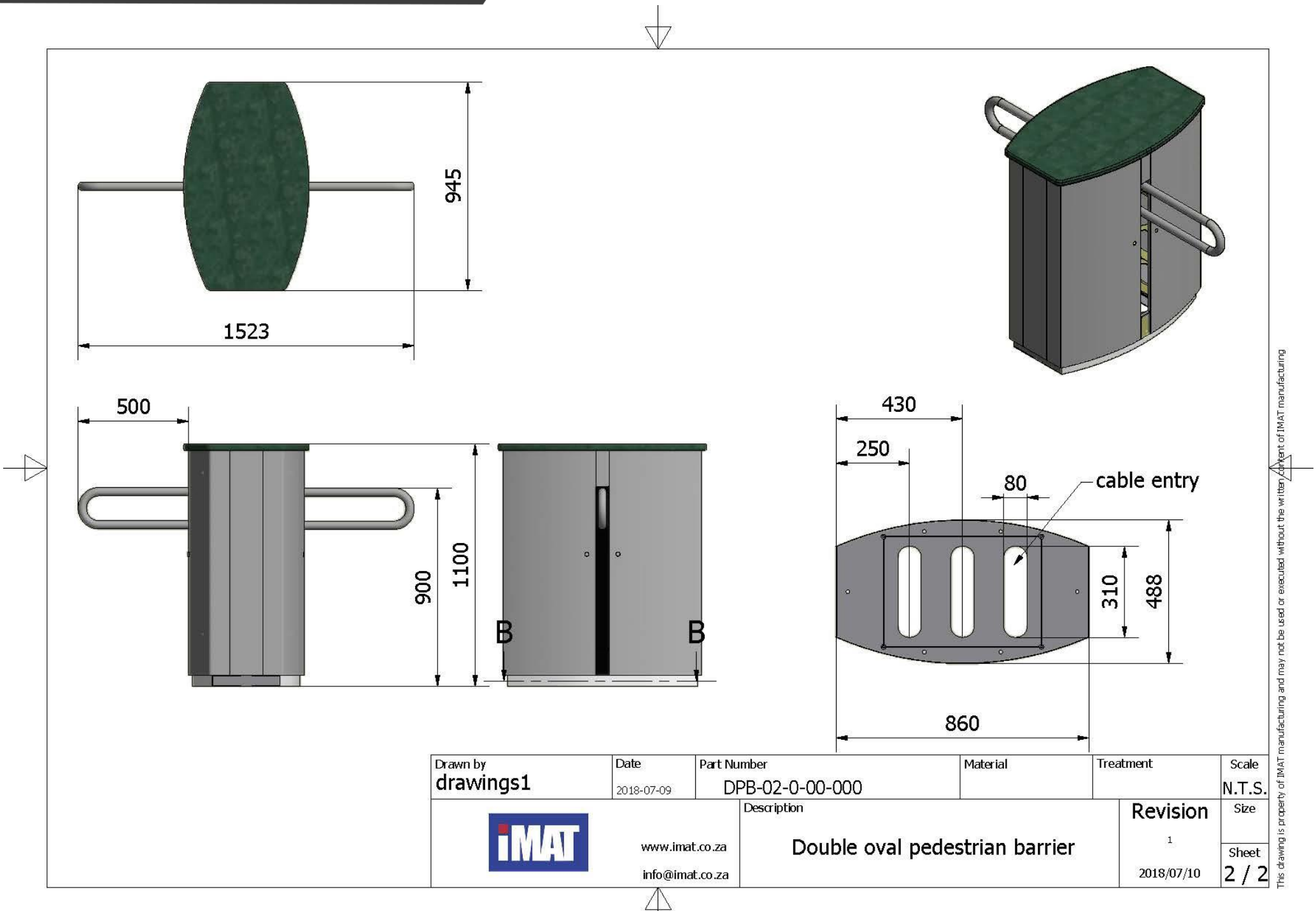
021 556 3866 - Cape Town
011 975 6400 - Johannesburg
031 942 3437 - Durban

Drawing: Single drop arm barrier



Drawn by drawings1	Date 2018-07-09	Part Number PB 02	Material	Treatment	Scale N.T.S.
 www.imat.co.za info@imat.co.za		Description Oval pedestrian barrier			Revision 2 2018/07/09
					Size Sheet 1 / 2

Drawing: Double drop arm barrier



Drawn by drawings1	Date 2018-07-09	Part Number DPB-02-0-00-000	Material	Treatment	Scale N.T.S.
Description Double oval pedestrian barrier					Revision 1 2018/07/10
IMAT www.imat.co.za info@imat.co.za					Size Sheet 2 / 2

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