

SPECIFICATION DETAILS

Finish:
* Polyester Powder Coat
** RAL 9004 Satin (Signal Black)
* **Colour confirmed (11/07/25)**

Individual Gate Components:

- (A1) Hinge Stile
Section Size: SHS 50x50x5mm (mitred)
Overall length: 2320mm
[Red]
- (A2) Meeting/Locking Stile
Section Size: SHS 50x50x2.5mm (mitred)
Overall length: 2320mm
[Red]
- (B) Tall Vertical Flat Bar
Section Size: 50mm(w) x 15mm(thk)
Overall length: 2270mm
(cut between horizontal flat bar)
[Orange]
- (C) Shorter Vertical Flat Bar
Section Size: 50mm(w) x 15mm(thk)
Overall length: 2155mm
(cut between horizontal flat bar)
[Blue]
- (D) Short Vertical Circular Rod
Section Size: 16mmØ
Overall length: 900mm
(cut between horizontal flat bar)
[Magenta]
- (E1) Bottom Rail
Section Size: SHS 50x50x2.5mm (mitred)
Overall length: (Varies)
[Red]
- (E2) Horizontal Flat Bar
Section Size: 50mm(w) x 15mm(thk)
Overall length: (Varies)
[Green]

General Notes:

- * Gates bottom rail ± 80 mm above Ground
- * Gates 90° Inward Opening
- * Gates factory fabricated and finished
- * Automated Vehicular Double Gates hung on Gatemaster Superhinge SH30
- ** 70mm(w) x 30mm(thk) Flat Bar welded to Gate Posts for <100mm gap with 10mm 'notch' for hinge point alignment
- * Pedestrian Double/Single Gates hung on Gatemaster Superhinge SH25
- * Automated Pedestrian Single Gate requires 60mm(w) x 25mm(thk) Flat Bar welded to Gate Post for hinge point alignment
- * All Automation components to be supplied and installed on site by others!
- * All Electrical wiring by others!
- * This drawing is prepared in reference to the following Design Team drawings
- ** Plantit I.E. Ltd
- *** 2913-PLA-XX-XX-DR-L-7009

C1	17/07/25	Raised to 'Construction' status as HHS intrusion & revised as Plantit comments (17/07/25)
P6	08/07/25	Plan sections revised following HHS/Design Team approval of revised setting out (03/07/25)
P5	25/06/25	Revised in accordance with HHS revised Vehicular Double Gate CO width (19/06/25) and Plantit comments (04/06/25)
REV.	DATE	DESCRIPTION

DRAWING STATUS

C O N S T R U C T I O N



**HMS WELDING
LIMITED**

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JOB DESCRIPTION

MOSI
Museum of Science & Industry
Manchester

DRAWING TITLE

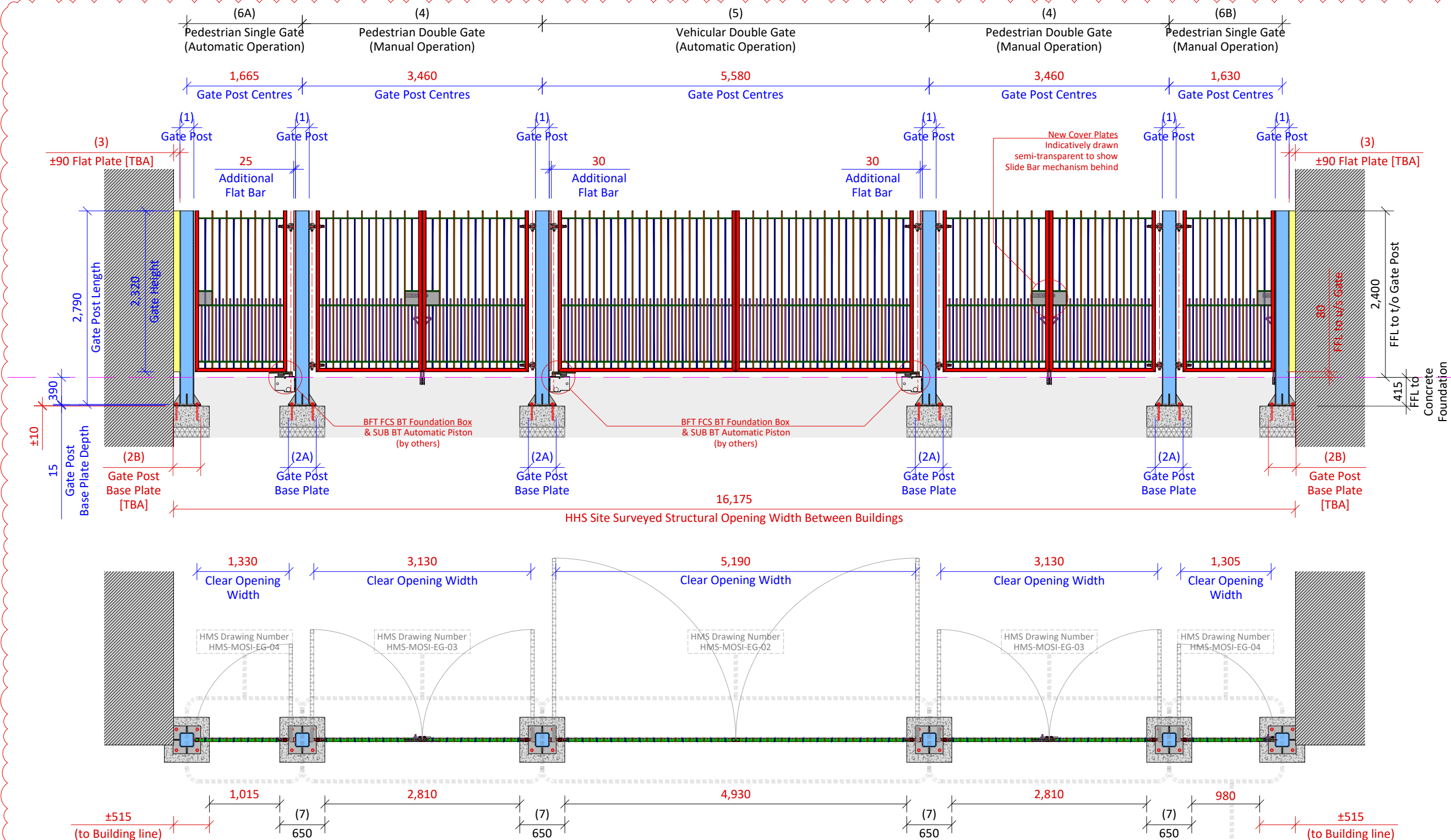
Upper Yard Entrance Gates:
External Elevation & Plan

DRAWN BY KT

DRAWN DATE 07/05/2025

SCALE 1:60 @ A3

DRAWING NUMBER HMS-886-EG-01	REVISION C1
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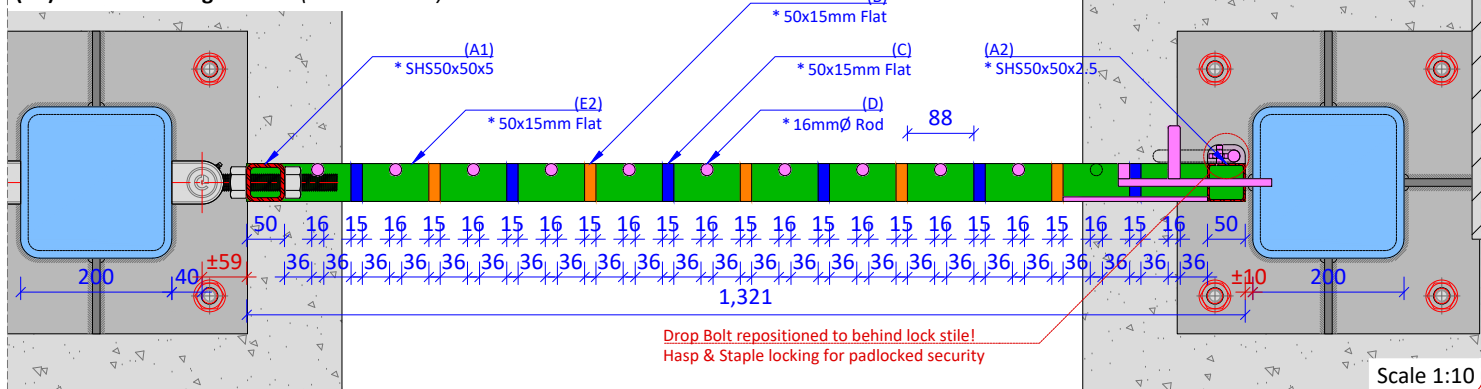


Note:
* This drawing is to be read in conjunction with the referenced HMS drawing numbers

KEY

- (1) **Gate Post**
Material: Mild Steel
Section Size: SHS 200x200x10mm
Overall length: 2790mm
- (2) **Gate Post Base Plate**
Material: Mild Steel
(2A) Size: 400(w) x 400(b) x 15mm(thk)
(2B) Size: 400(w) x 350(b) x 15mm(thk) [TBA]
* Welded to Gate Post
* Fixed to Concrete Foundation with M20x250mm Bolts (Subject to Engineers details)
- (3) **Flat Plate (to Gate Post)**
Material: Mild Steel
Size: 90(w) x 12(thk) x 2320mm(L) [TBA]
* Welded to Gate Post
* To be site measured!
- (4) **Pedestrian Double Gate**
Material: Mild Steel
Gate Size: 1939(w) x 2300(h) x 50mm(thk)
Clear Opening Width: 3950mm
Operation: Manual
Locking: Padlock Slide Bar & Drop Bolt (Master)
Drop Bolt (Slave)
* Drop Bolt to allow Gate to be set in permanent open position
- (5) **Vehicular Double Gate**
Material: Mild Steel
Gate Size: 1939(w) x 2300(h) x 50mm(thk)
Clear Opening Width: 3950mm
Operation: Automatic
* All Automation components to be supplied and installed on site by others!
- (6A) **Pedestrian Single Gate**
Material: Mild Steel
Gate Size: 1321(w) x 2300(h) x 50mm(thk)
Clear Opening Width: 1360mm
Operation: Automatic
* All Automation components to be supplied and installed on site by others!
- (6B) **Pedestrian Single Gate**
Material: Mild Steel
Gate Size: 1321(w) x 2300(h) x 50mm(thk)
Clear Opening Width: 1360mm
Operation: Manual
Locking: Padlock Slide Bar & Drop Bolt
* Drop Bolt to allow Gate to be set in permanent open position
- (7) **Concrete Foundation**
To engineer's specification

(6B) Pedestrian Single Gate: (Detailed Plan)



Scale 1:10