

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)
P4	08/07/25	Revised in accordance with HHS/Design Team approval of revised setting out (03/07/25)
P3	23/05/25	Revised in accordance with Design Workshop (20/05/25)
P2	09/05/25	Revised in accordance with HMS discussion (09/05/25)
REV.	DATE	DESCRIPTION

DRAWING STATUS

CONSTRUCTION



**HMS WELDING
LIMITED**

Phoenix Industrial Estate | Cheetham Street
Failsworth | Manchester | M35 9DS
t: 0161 688 7880 | www.hmswelding.co.uk

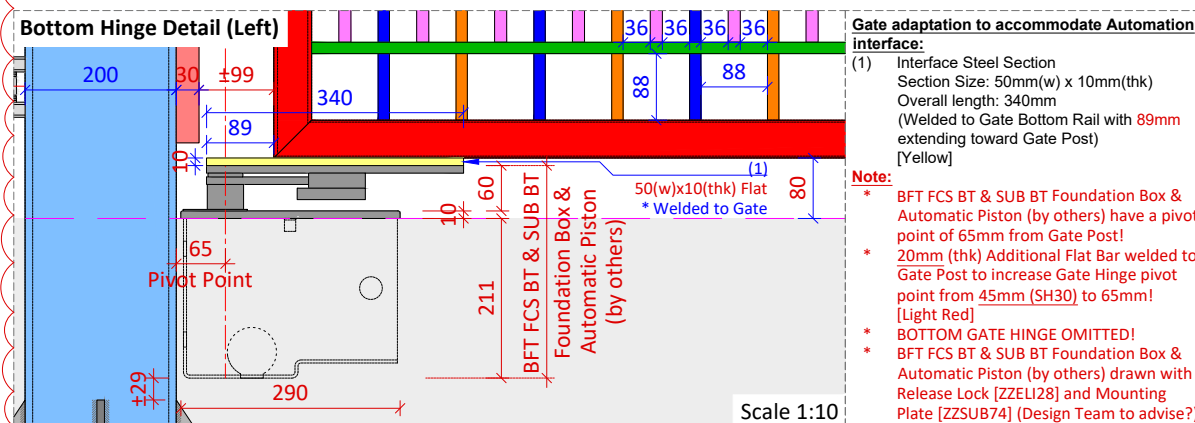
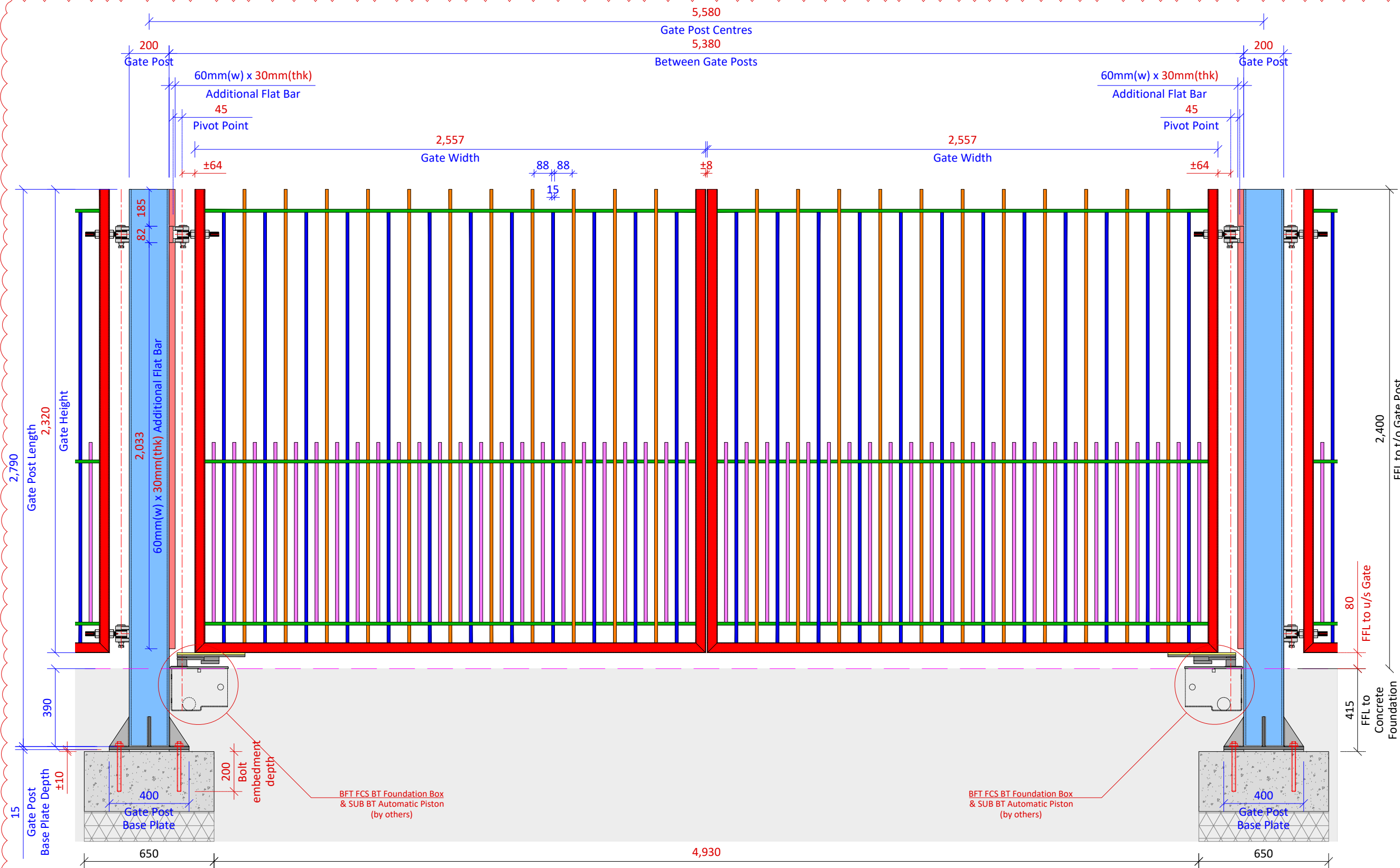
JOB DESCRIPTION

MOSI
Museum of Science & Industry
Manchester

DRAWING TITLE

Upper Yard Entrance Gates:
(5) Vehicular Double Gate
External Elevation & Details

DRAWN BY	KT
DRAWN DATE	07/05/2025
SCALE	1:20 @ A3
DRAWING NUMBER	REVISION
HMS-886-EG-02	C1



Gate adaptation to accommodate Automation interface:

(1) Interface Steel Section
Section Size: 50mm(w) x 10mm(thk)
Overall length: 340mm
(Welded to Gate Bottom Rail with 89mm extending toward Gate Post)
[Yellow]

Note:

- * BFT FCS BT & SUB BT Foundation Box & Automatic Piston (by others) have a pivot point of 65mm from Gate Post!
- * 20mm (thk) Additional Flat Bar welded to Gate Post to increase Gate Hinge pivot point from 45mm (SH30) to 65mm! [Light Red]
- * BOTTOM GATE HINGE OMITTED!
- * BFT FCS BT & SUB BT Foundation Box & Automatic Piston (by others) drawn with Release Lock [ZZELI28] and Mounting Plate [ZZSUB74] (Design Team to advise?)

