

CONDITION TO BE DISCHARGED:

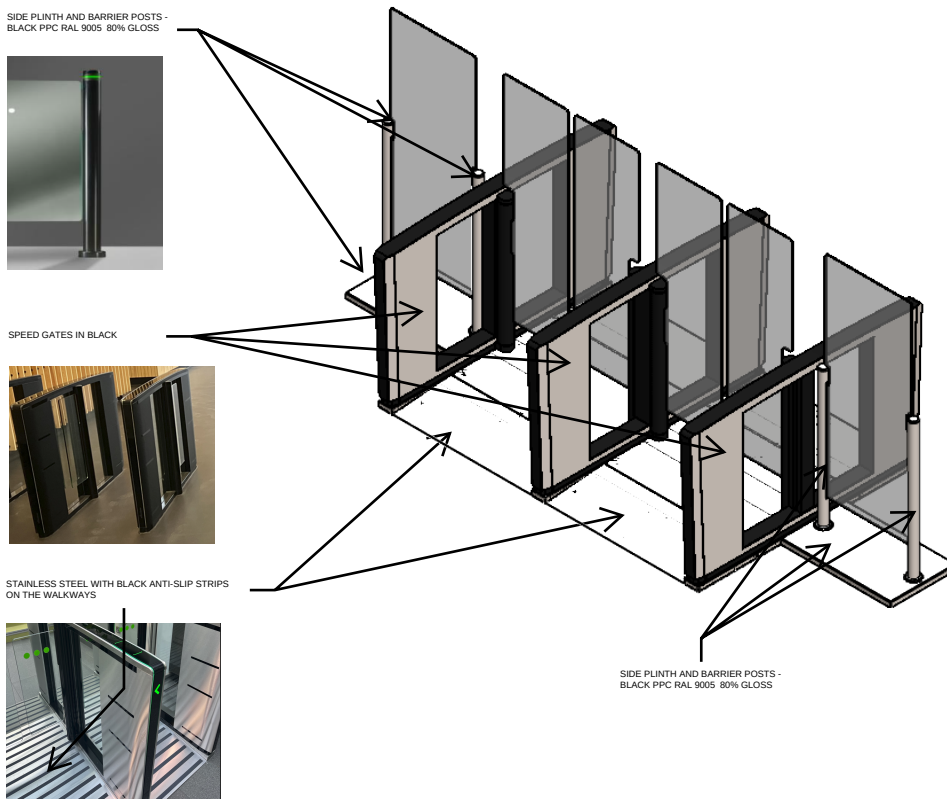
3) Prior to the commencement of any works in relation to the installation of the speed gates at the property's secondary reception as shown on CONFIRMATION OF SPEED GATES AND AIR CURTAIN FIXINGS document (Received 17/04/2025), a scheme that shall detail the floor treatment for the speed gates shall be submitted to and approved in writing by the City Council as Local Planning Authority. The development shall then proceed in accordance with the approved details.

Reason - In the interests of preserving and protecting the historic character and appearance of the listed building in accordance with policies CC9 and EN3 of the Core Strategy, saved policy DC19.1 of the Unitary Development Plan for the City of Manchester and the National Planning Policy Framework.

SPEED GATES AREA FINISHES CLARIFICATION, CORPORATION ST. ENTRANCE.



Speed gates finishes as per the scheme below and as detailed in Boon Edam's construction drawings attached to this document.



Technical Annex Lifeline Swing

Project Number:	P.012054	Product:	2x Wide Lifeline Swings, high glass
Customer Ref:	-		Barrierwork, high glass
Status:	A1 - Authorised & Accepted		Plinth

1. General Specifications and Floor Details:

Cabinet length = 1776mm	Cabinet finish = Powder coated, RAL 9005
Glass height = 1800mm	Glass finish = 10mm clear toughened
CE Specification – Includes safety beams	Locking = Fail Safe
Jump over detection	UPS Battery Back Up - No
No floor heating allowed beneath the barriers	Signal = Yes for Return signal In/Out
	Floor should be horizontal and level within ±2mm
Cabinet fixing bolt locations and containment holes at each end, through existing substrate, is to be drilled by others if sub floor base plates not used.	

2. Sub floor Containment Scope and Responsibilities:

- Cabinets installed onto plinth include containment between cabinets, as supplied and installed by BEL
- All containment and cabling outside/beyond of cabinets to be supplied and installed by others

3. Services: For use by Boon Edam Ltd (BEL)

Detail A – Containment (as detailed in Section 2) between cabinets with entry point into cabinet base under FFL for following services: 100x25mm box section between cabinets, installed by BEL, for Boon Edam cables. NOTE: Not to be used by others for any other cabling. Boon Edam use only Primary/Secondary cabling 24V DC by Boon Edam Ltd Primary/Secondary communication by Boon Edam Ltd
Detail B – Containment (as detailed in Section 2) between cabinets with entry point into cabinet base under FFL for following services (if applicable): 1 x 25mm containment from end cabinet closest to a remote operating location i.e. reception desk (supply and install, with draw wire, by others). Allows for Link cabling for separate control panel (i.e. Boon Touch), to be installed within containment to allow for remote location activation of lanes by building operators, if applicable. NOTE: Not to be used by others for any other cabling. Boon Edam use only

4. Services: Supplied and installed by others

Detail C – Entry point into cabinet base under FFL for following services:
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POWER (Not by BEL)

Power Supply (Cabinet): (Supplied and installed by others)

Require a 230V-50Hz+PE 16A supply, terminated at an isolation point local remote location for each cabinet (no room to mount isolation point within cabinet). Isolation point can be one of the following :
- 13A switched Fused Connection Unit (FCU). Requires 5m overlength cable tail into the cabinet from the FCU (by others), for termination in coordination with BEL
- 13A switched Fused Connection Unit wired to flex outlet plate (supplied by others)
- IEC 60309 230V / 16A (Commando) socket (supplied by others)

Power Consumption (Cabinets):

Each cabinet = Standby 40W and Operating 80W
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ACCESS CONTROL (Not by BEL)

Access Control Signals: (Supplied and installed by others)
Require enough cabling length to reach opposite end of cabinet for relevant electronics (i.e. CR, etc.)
Card reader mounting box dimensions under tops (LxWxH) 150mm x 55mm x 30mm or 130mm x 55mm x 50mm
Additional mounting position in cabinet side panel Dimensions (LxWxH) 110mm x 65mm x 30mm for low level card readers or barcode / QR scanners.

Control signals

Card reader Pulse IN – Pot.Free N.O. contact with 4m extra length
Card reader Pulse OUT– Pot.Free N.O. contact with 4m extra length
Return signal IN - Pot.Free N.O. contact with 4m extra length
Return signal OUT - Pot.Free N.O. contact with 4m extra length
All cables require 4m overlength cable tail to allow length within full cabinet, for termination in coordination with BEL and access control contractor.
Activation non-secure side – Card reader under top panel (supply and install by others).
Activation secure side – Card reader under top panel (supply and install by others).

FIRE ALARM (Not by BEL)

Fire Alarm:
Connection to be a Potential Free circuit for each cabinet. (No daisy chaining) Each cabinet requires separate I/O. Enough extra length cabling required to reach opposite end of cabinets (from entry point A) for termination. Termination into E-Tray to be done in coordination with BEL and fire alarm contractor. Circuit to be Normally Closed / Going open.
Fire Alarm: activation on permanent power - Lifeline Swing will open to Non-Secure side with user lighting to guide users to Non-Secured side.
Fire Alarm: activation on power failure – Lifeline Swing has battery back-up. Electromagnetic lock will de-energise to a Fail-Safe mode and the gate wing can open automatically or be set to be manually moved in the direction of travel to allow egress.

CONNECTIVITY (Not by BEL)

TCP/IP Connectivity Cat 5e or higher cable from Primary unit to end users LAN network. Cable and containment supplied and installed by others

5. Containment: Installed by BEL for use by others

Detail D – Containment (as detailed in Section 2) between cabinets with entry point into cabinet base under FFL for following services: Containment between cabinets, by BEL, for other trades cables. Power/Fire alarm/Access control. (Cable supply and installation by others). Any additional containment or cable routes required by other traders is not supplied or installed by BEL.

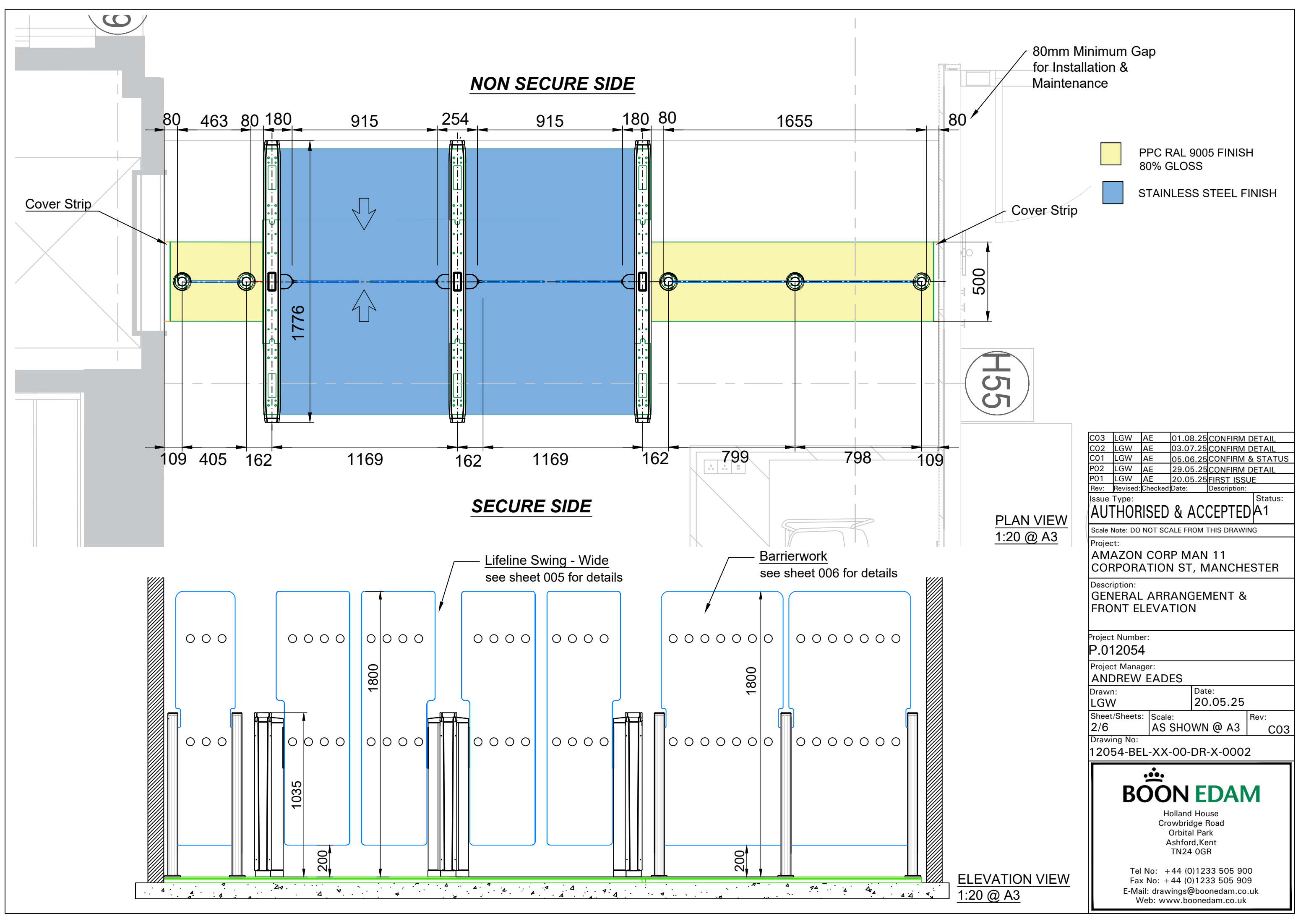
6. Not supplied by Boon Edam Ltd – To be supplied by others:

Containment outside/beyond of the Lifeline Swing cabinets.
Other trade cabling outside of the Lifeline Swing cabinet (excluding Primary/Secondary cabling).
Power supply to cabinets (include FCU).
Power supply to other accessories (i.e. CR).
Access control cabling and electronics i.e. Card readers, etc.
Fire alarm cabling and I/O’s.
Preparations and drilling for containment within floor and cabinet mounting bolt locations.
Termination of other trades cabling is to be in coordination with, and not solely by, BEL.

7. For Information

When using mechanical lifting and moving equipment we require a hard and level surface, to allow movement of plant wheels, to a matching height of the floor level.
Where appropriate space is not provided, and enforced, BEL retain the right to not work due to safety concerns.

C03	LGW	AE	01.08.25	CONFIRM DETAIL
C02	LGW	AE	03.07.25	REVISION UPDATE
C01	LGW	AE	05.06.25	STATUS CHANGE
P02	LGW	AE	29.05.25	REVISION UPDATE
P01	LGW	AE	20.05.25	FIRST ISSUE
Rev:	Revised:	Checked:	Date:	Description:
Issue Type:				Status:
AUTHORISED & ACCEPTED				A1
Scale Note: DO NOT SCALE FROM THIS DRAWING				
Project: AMAZON CORP MAN 11 CORPORATION ST, MANCHESTER				
Description: TECHNICAL ANNEX				
Project Number: P.012054				
Project Manager: ANDREW EADES				
Drawn: LGW			Date: 20.05.25	
Sheet/Sheets: 1/6		Scale: NTS @ A3		Rev: C03
Drawing No: 12054-BEL-XX-00-DR-X-0001				
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NON SECURE SIDE

80mm Minimum Gap
for Installation &
Maintenance

- PPC RAL 9005 FINISH
80% GLOSS
- STAINLESS STEEL FINISH

Cover Strip

Cover Strip

H55

SECURE SIDE

PLAN VIEW
1:20 @ A3

Lifeline Swing - Wide
see sheet 005 for details

Barrierwork
see sheet 006 for details

ELEVATION VIEW
1:20 @ A3

C03	LGW	AE	01.08.25	CONFIRM DETAIL
C02	LGW	AE	03.07.25	CONFIRM DETAIL
C01	LGW	AE	05.06.25	CONFIRM & STATUS
P02	LGW	AE	29.05.25	CONFIRM DETAIL
P01	LGW	AE	20.05.25	FIRST ISSUE
Rev:	Revised:	Checked:	Date:	Description:

Issue Type: **AUTHORISED & ACCEPTED** Status: **A1**

Scale Note: DO NOT SCALE FROM THIS DRAWING

Project:
AMAZON CORP MAN 11
CORPORATION ST, MANCHESTER

Description:
GENERAL ARRANGEMENT &
FRONT ELEVATION

Project Number:
P.012054

Project Manager:
ANDREW EADES

Drawn: LGW Date: 20.05.25

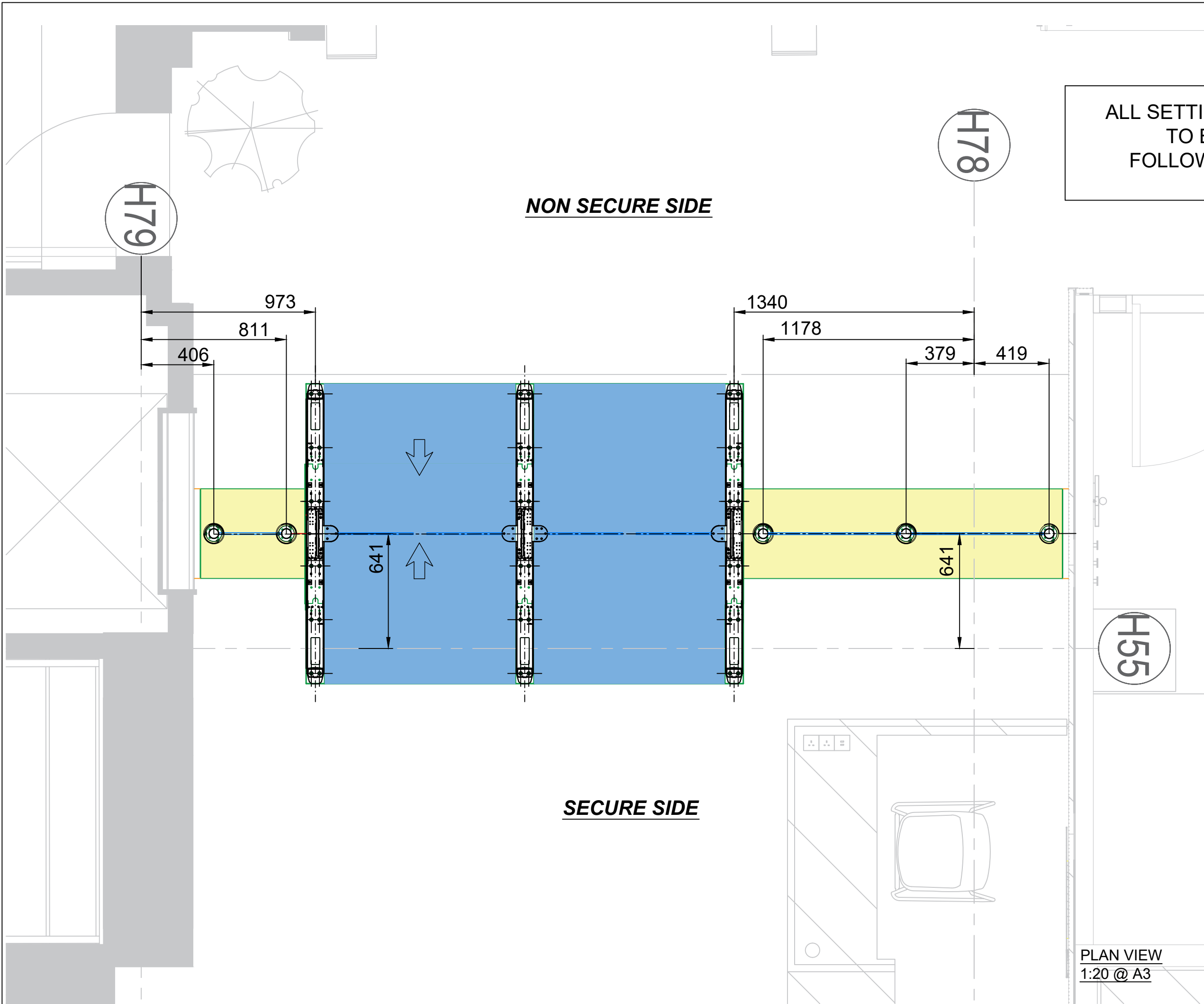
Sheet/Sheets: 2/6 Scale: AS SHOWN @ A3 Rev: C03

Drawing No:
12054-BEL-XX-00-DR-X-0002

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ALL SETTING OUT DIMENSIONS
TO BE CONFIRMED
FOLLOWING SITE SURVEY

C01	LGW	AE	05.06.25	CONFIRM & STATUS
P02	LGW	AE	29.05.25	CONFIRM DETAIL
P01	LGW	AE	20.05.25	FIRST ISSUE
Rev:	Revised:	Checked:	Date:	Description:

Issue Type: **AUTHORISED & ACCEPTED** Status: **A1**

Scale Note: DO NOT SCALE FROM THIS DRAWING

Project:
AMAZON CORP MAN 11
CORPORATION ST, MANCHESTER

Description:
SETTING OUT DETAIL

Project Number:
P.012054

Project Manager:
ANDREW EADES

Drawn: **LGW** Date: **20.05.25**

Sheet/Sheets: **3/6** Scale: **AS SHOWN @ A3** Rev: **C01**

Drawing No:
12054-BEL-XX-00-DR-X-0003



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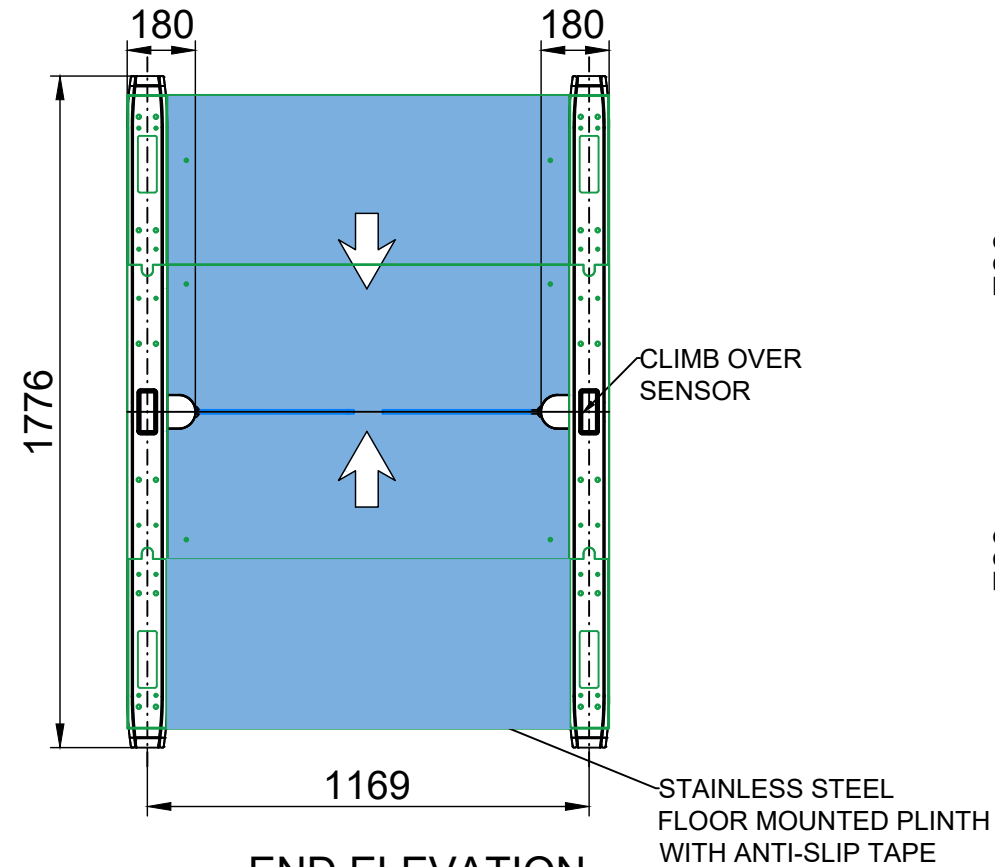
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PLAN VIEW
1:20 @ A3

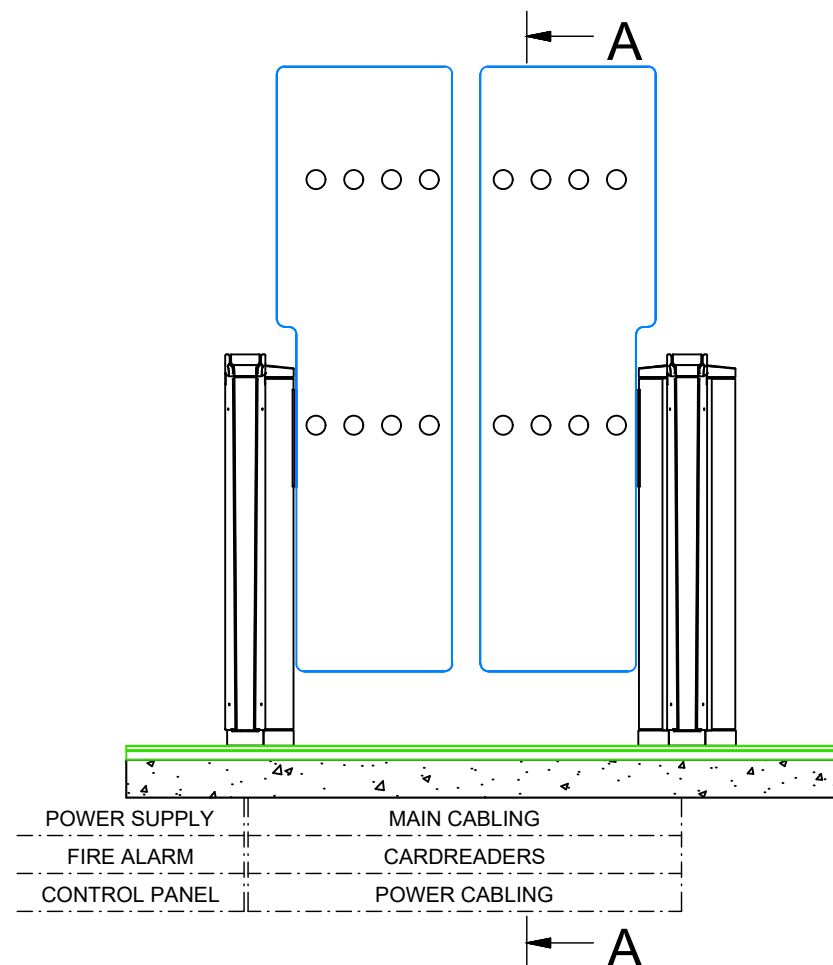
PLAN VIEW

CLOSED WING POSITION

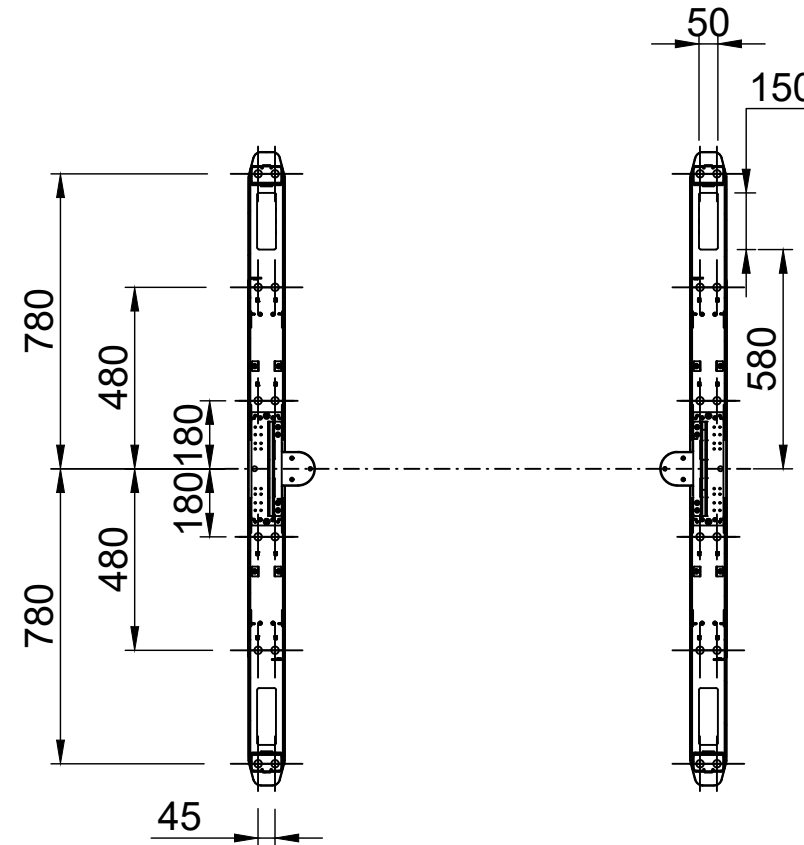


END ELEVATION

INDICATIVE POSITION

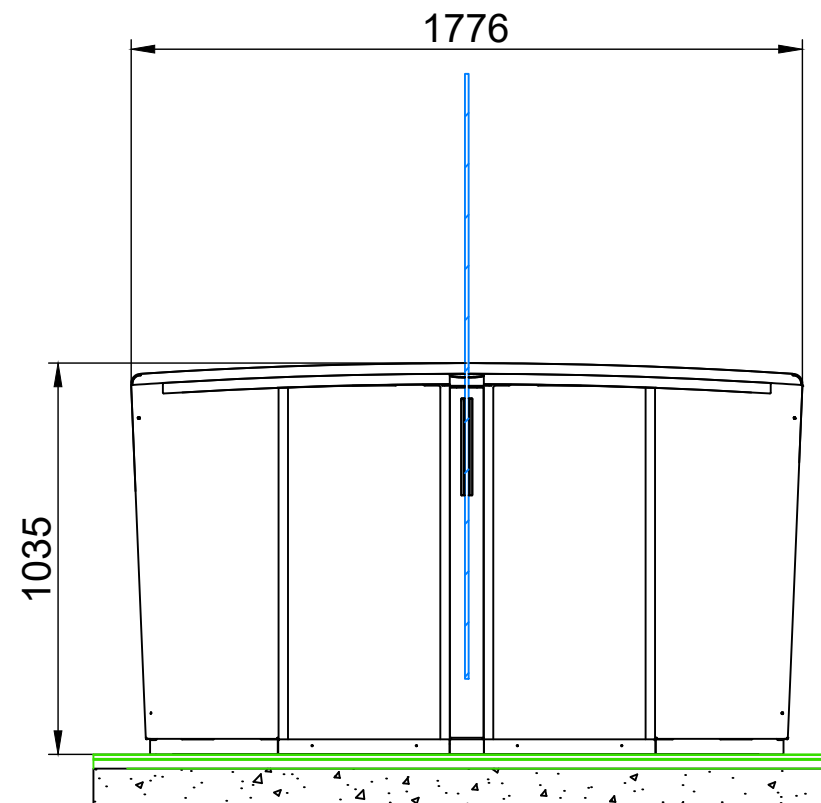


FIXING DETAIL



SECTION A-A

CLOSED WING POSITION



A-A



STAINLESS STEEL FINISH

CABINET - RAL 9005 BLACK FINISH
TOP - RAL 9005 BLACK FINISH
FRONT COVER - RAL 9005 BLACK FINISH
MOTOR COLUMN - RAL 9005 BLACK FINISH
CUSTOM BLUE LED AUTHORISATION INDICATOR LIGHT
MAX CARD READER SIZE 55mm (W) x 130mm (L) x 51mm (H)
CLIMB OVER SENSORS
PLINTH - 240 GRIT STAINLESS STEEL

Rev:	Revised:	Checked:	Date:	Description:
C02	LGW	AE	03.07.25	CONFIRM DETAIL
C01	LGW	AE	05.06.25	STATUS CHANGE
P01	LGW	AE	20.05.25	FIRST ISSUE

Issue Type: **AUTHORISED & ACCEPTED** Status: **A1**

Scale Note: DO NOT SCALE FROM THIS DRAWING

Project: **AMAZON CORP MAN 11 CORPORATION ST, MANCHESTER**

Description: **LIFELINE SWING, HIGH GLASS WIDE LANE STANDARD DETAIL**

Project Number: **P.012054**

Project Manager: **ANDREW EADES**

Drawn: **LGW** Date: **20.05.25**

Sheet/Sheets: **5/6** Scale: **NTS @ A3** Rev: **C02**

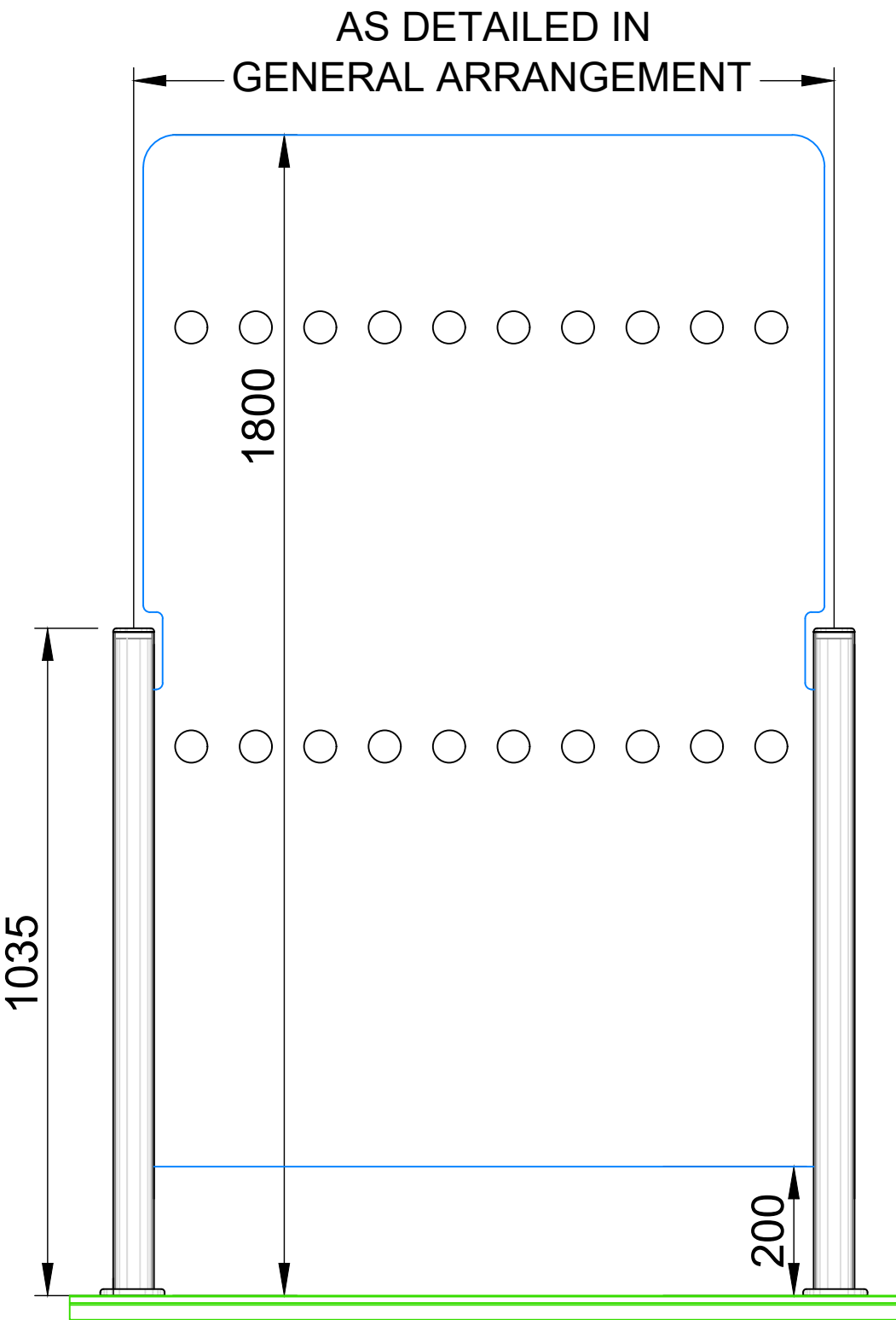
Drawing No: **12054-BEL-XX-00-DR-X-0005**

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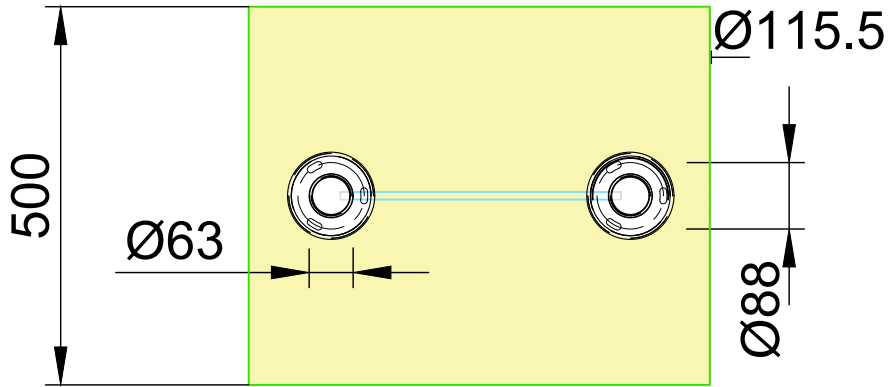
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FRONT ELEVATION



PLAN VIEW

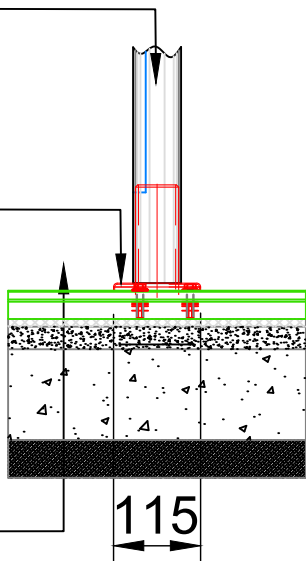


SECTION THROUGH BASE PLATE FLOOR FIXING

63mm MILD STEEL
FEMALE BARRIER POST
RAL 9005 BLACK FINISH
80% GLOSS

MILD STEEL
SPUN COVER
RAL 9005 BLACK FINISH
80% GLOSS

MILD STEEL
RAL 9005 BLACK FINISH
80% GLOSS



PPC RAL 9005 FINISH

C03	LGW	AE	01.08.25	CONFIRM DETAIL
C02	LGW	AE	03.07.25	CONFIRM DETAIL
C01	LGW	AE	05.06.25	STATUS CHANGE
P02	LGW	AE	29.05.25	CONFIRM DETAIL
P01	LGW	AE	20.05.25	FIRST ISSUE
Rev:	Revised:	Checked:	Date:	Description:

Issue Type: **AUTHORISED & ACCEPTED** Status: **A1**

Scale Note: DO NOT SCALE FROM THIS DRAWING

Project:
AMAZON CORP MAN 11
CORPORATION ST, MANCHESTER

Description:
BARRIERWORK DETAIL

Project Number:
P.012054

Project Manager:
ANDREW EADES

Drawn:
LGW

Date:
20.05.25

Sheet/Sheets:
6/6

Scale:
NTS @ A3

Rev:
C03

Drawing No:
12054-BEL-XX-00-DR-X-0006

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