



Client

DEBENHAMS RETAIL PLC

Project

HEREFORD

Drawing Register		Revision									
		Release Date	18-06-12	22-08-13	30-09-13	15-10-13	06-12-13				
Drawing Ref	Description	Type									
105897 01	Proposed Signage	GA	0	2	3	4	5				

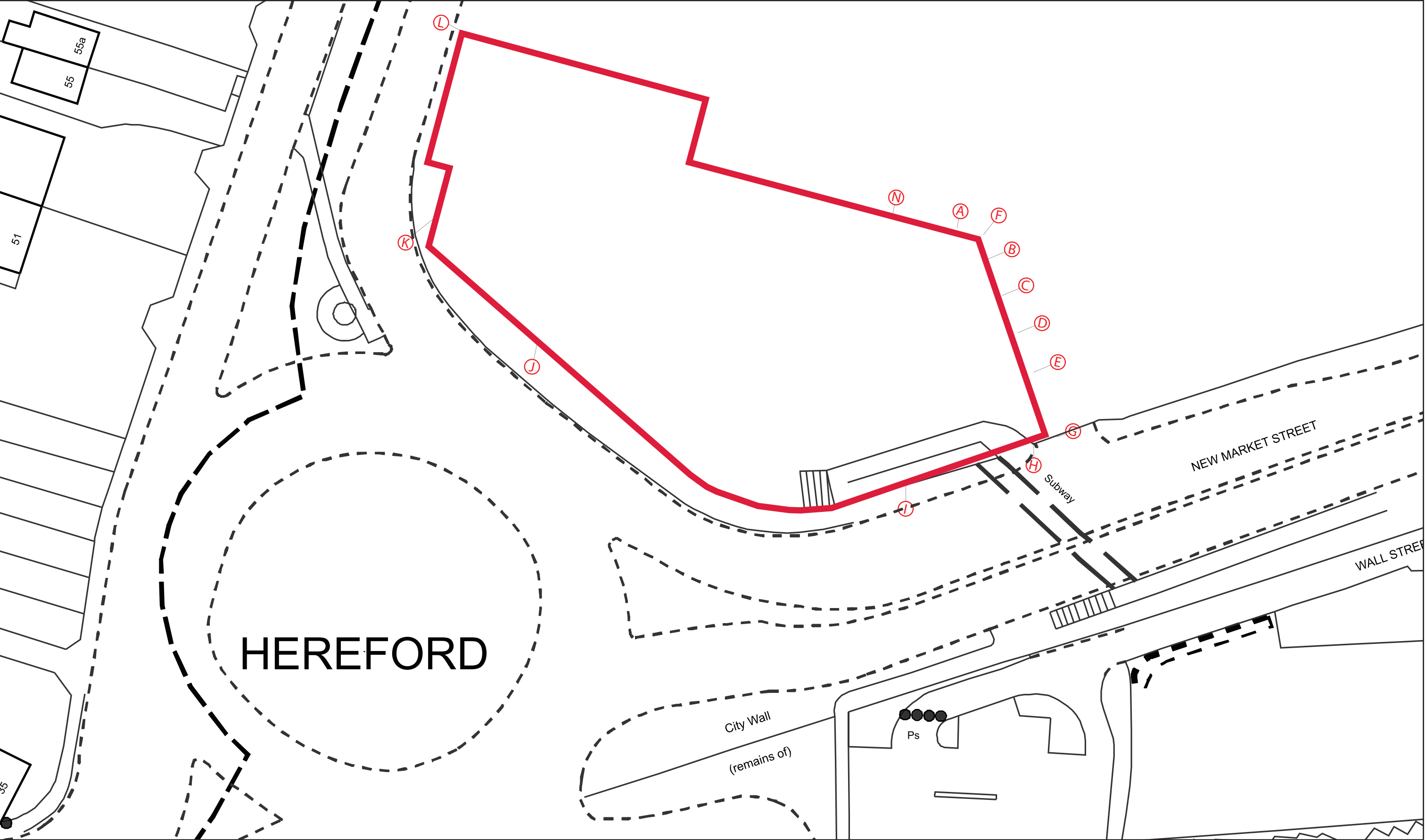
Revision			
Drawing Ref	No	Date	Detail
105897 01	2	22-08-13	Signs A, B, C, D, E & H amended to Face illuminated - LS
105897 01	3	30-09-13	Full back trays added to Signs I, J, K, L, M & N - LS
105897 01	4	15-10-13	Amendments to elevations - AC
105897 01	5	06-12-13	Location plan added - OM
105897 01	06	17-12-13	Location plan scale increased - LS

ASG DESIGN

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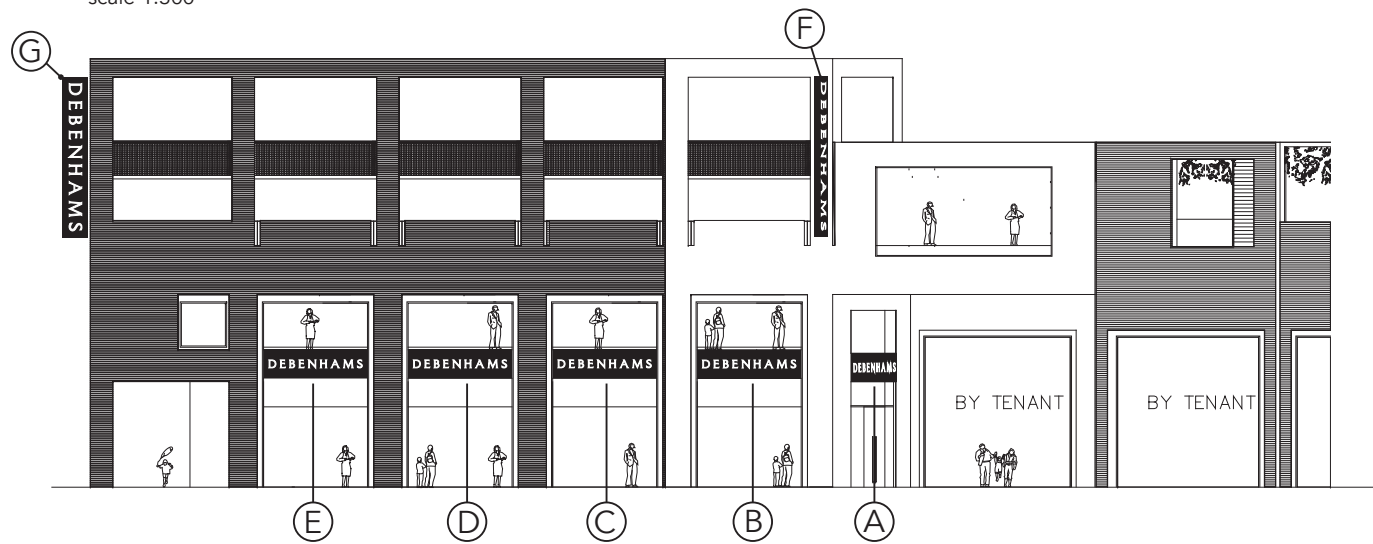
Matt Price - Design Assistant
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01268 706826



Project manager Dean Lofts	Client Debenhams Retail Plc	Item description Site Plan	
Designer Ollie Mitchell	Project Hereford	Scale - A3 1:500	Rev 05
Date 06-12-13		Dwg no. 105897 01	Sheet 01



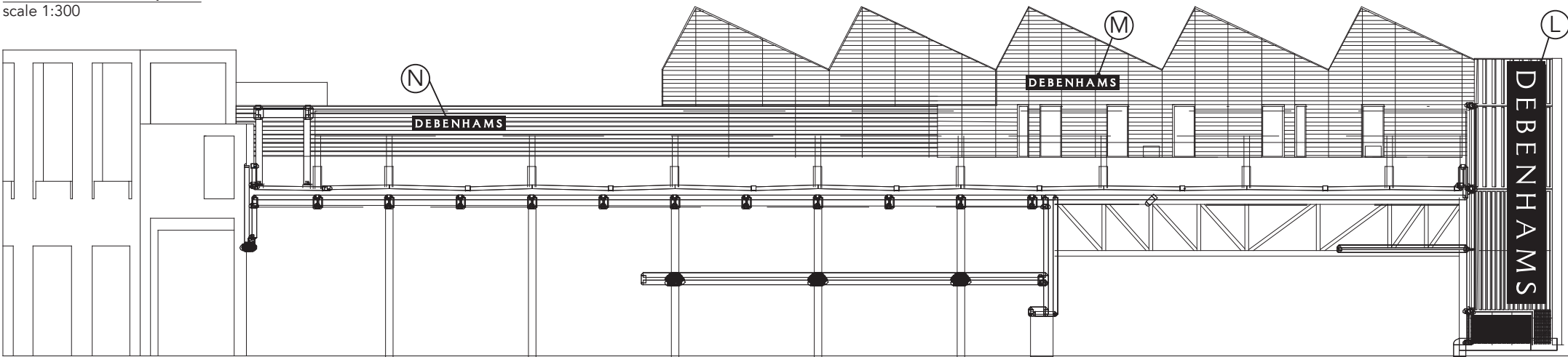
East Elevation - Proposed
scale 1:300



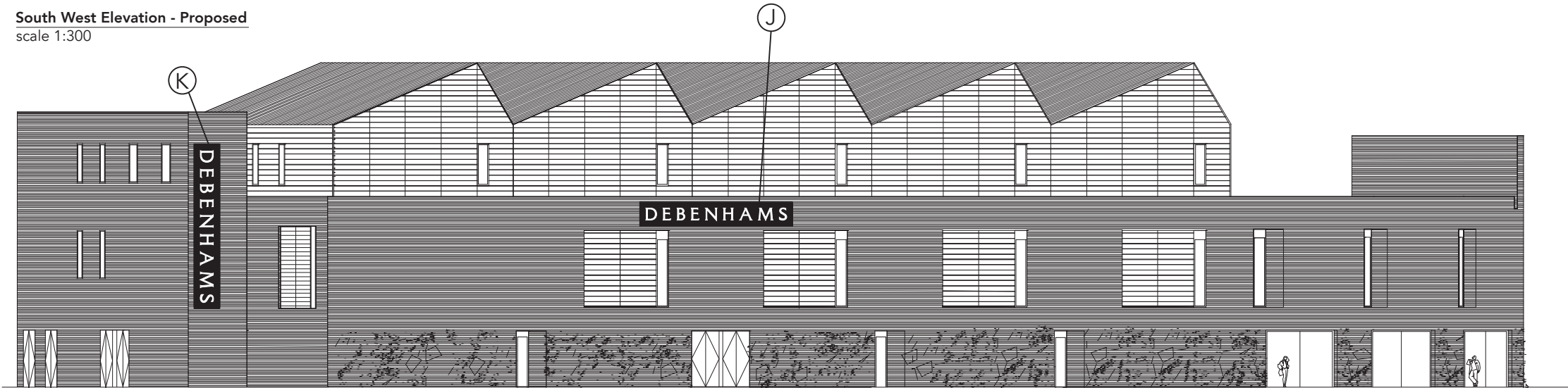
South East Elevation - Proposed
scale 1:300



North Elevation - Proposed
scale 1:300



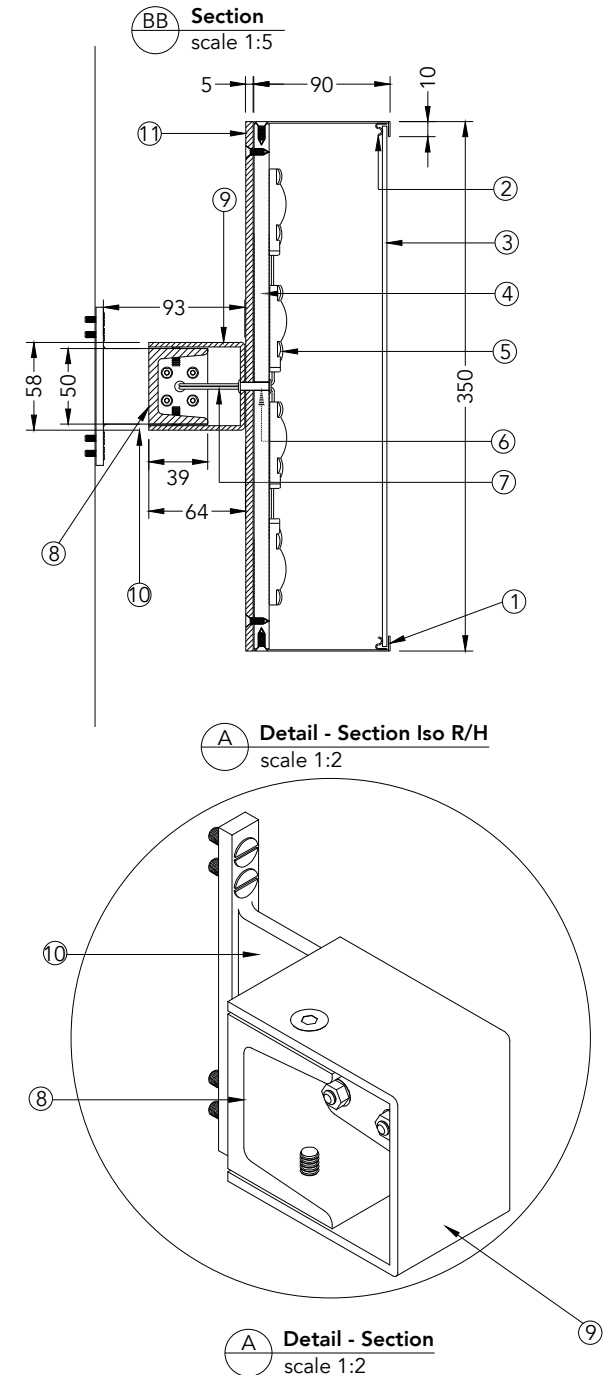
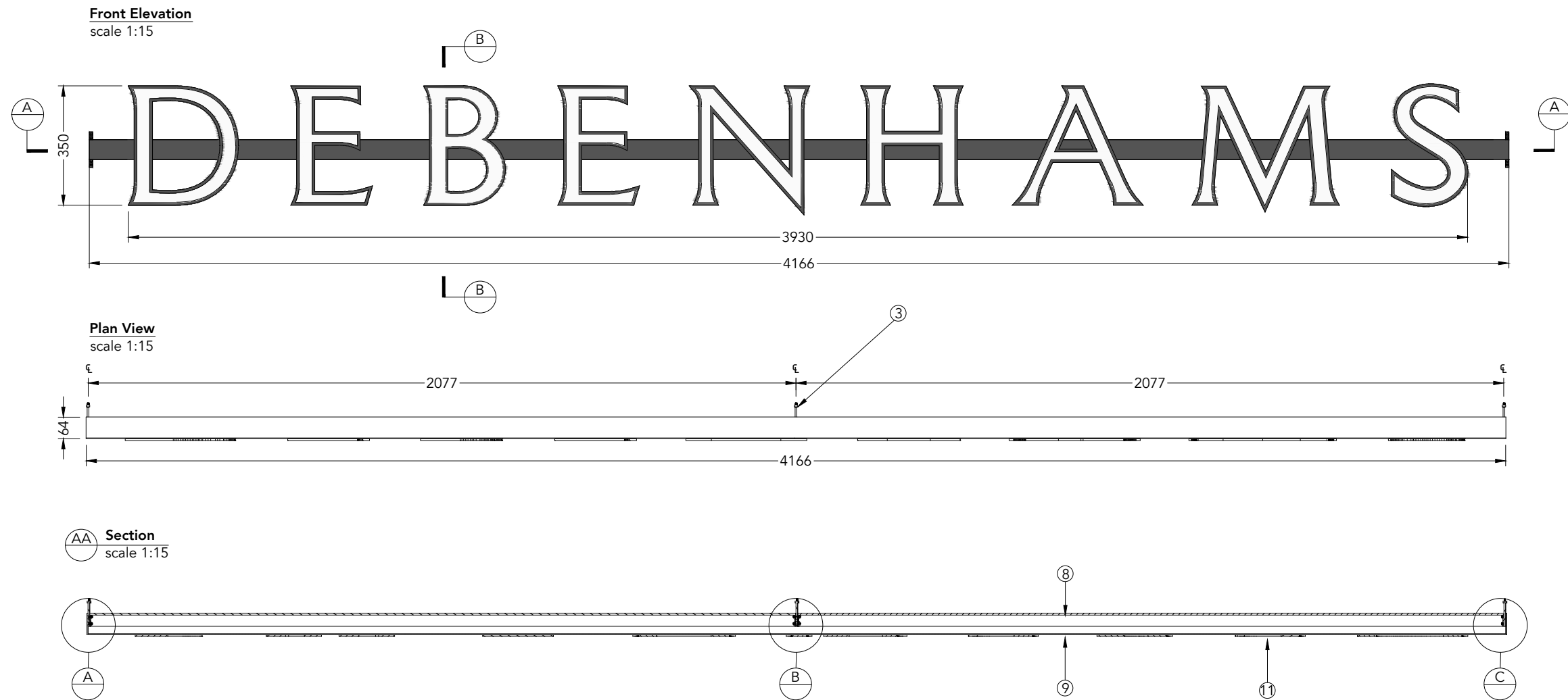
South West Elevation - Proposed
scale 1:300



Approx HTUS

- A - 4180mm
- B, C, D & E - 4135mm
- F - 9550mm
- G - 9595mm
- H - 3704mm
- I - 11906mm
- J - 9152mm
- K - 4493mm
- L - 2312mm
- M - 14821mm
- N - 125050mm





SPECIFICATION

FACE ILLUMINATED LETTERS

- Letter rims and returns built up from 1mm de-scaled steel, being etched, primed and stove enamelled RAL 9005 (Jet Black) 30-40% matt finish and powder coated internally reflective white. Built up letters fixed to back plate from behind using M6 countersunk screws.
- Copper spring clip soldered to the inner face of the letter returns to retain face panels in position against the letter rims. To avoid shadowing the the depth of the spring clip is to be less than the face rim.
- Face panels from CNC cut 3mm Opal 050 Perspex retained in position by fixing rims and spring clips. Approximate light translucence of Perspex 37%
- Back tray from CNC cut 10mm white Foamex.

ILLUMINATION

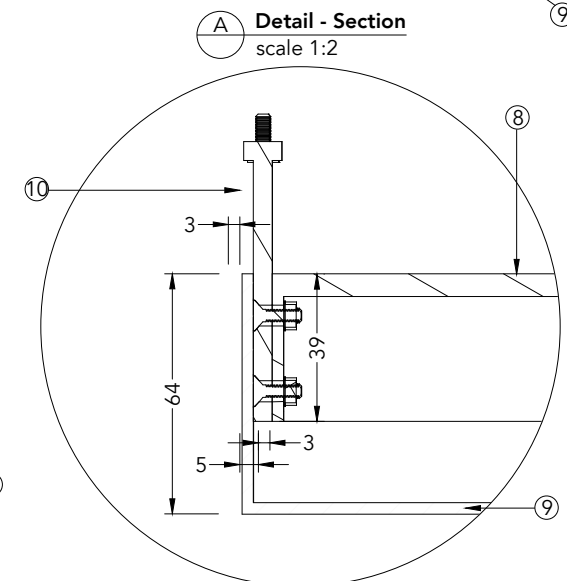
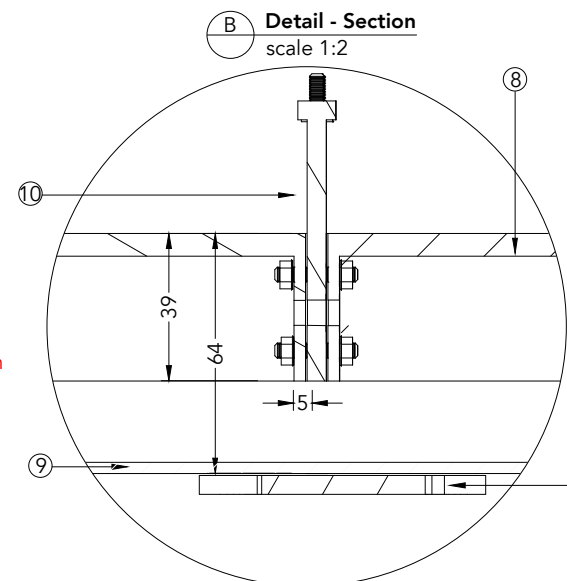
- Internally illuminated using Sloan 'V' series white twin LED modules, bonded to Foamex back trays along the centre line of the letters, and into the corner of the letters to prevent shadowing. LED modules are powered by Mean Well 12volt 60watt power supply units. 90 modules per PSU's. Mean Well PSUs are IP67 rated. PSU's are to be positioned remotely and in a position easily accessible for maintenance.
- Cable aperture through Foamex panel and steel back plate to be sealed with a rubber grommet to prevent water ingress.
- Power cables fed through background to PSU's via aluminium conduit, preventing cable/background abrasion. Holes to be sealed with suitable waterproof silicone compound (to be approved by the tenant/landlord to avoid reactions with background material) to prevent water ingress.

FIXING RAIL

- Main fixing rail from 50mm x 38mm x 5mm S275JR mild steel channels capped and welded ends fixed to the developers brackets to be etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish. The rails are to be cut 5mm shorter than the span between the fixing plates to allow for tolerance and the gaps to be filled using packing plates. The rails are to have 2.5mm chamfers to the outer faces at the ends to allow the end caps to be channel welded.
- Outer fixing rail capping section from 3mm folded mild steel capped and welded ends to be etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish, fixed into the parallel flange channel using M5 x 20mm stainless steel countersunk machine screws. PFC to be drilled and tapped in advance to accept fixings.
- Fixing bracket to be supplied by main contractor.
- 5mm mild steel backing plate to be welded to the front face of the outer fixing rail to be etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish.

NOTE:

Inner caps on rails and developers middle bracket are to be drilled to allow for illumination wires to pass through.



ASG DESIGN

Project manager
Dean Lofts

Designer
Lee Stanier

Date
15-10-13

Client
Debenhams Retail Plc

Project
Unit 1 - Old Livestock Market,
Edgar Street & New Market
Street, Hereford

Item description
Signs A, B, C, D, E & H - Face Illuminated Letters

Scale - A3
1:2, 1:5 & 1:15

Dwg no.
105897 01

Rev
04

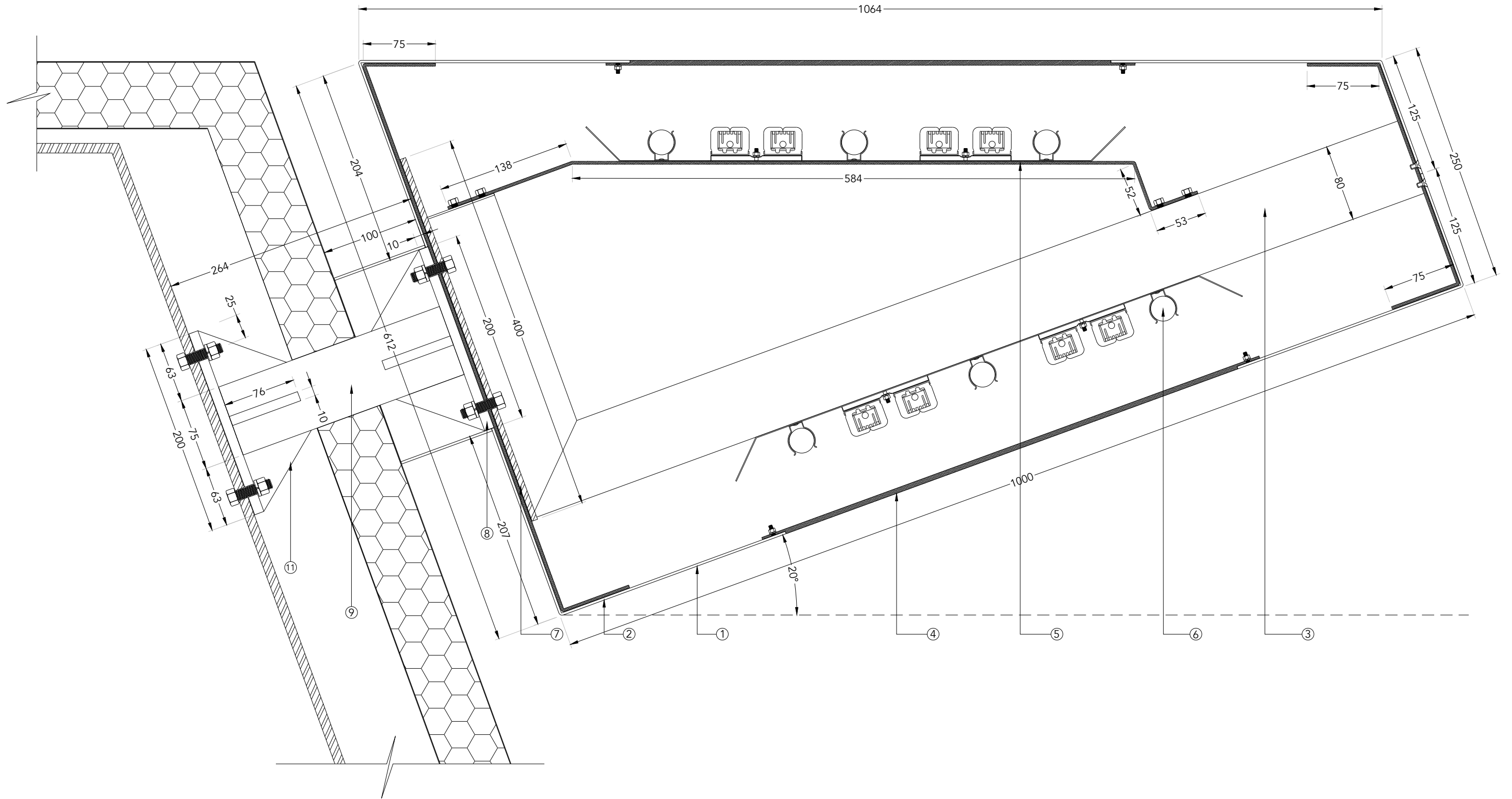
Sheet
03



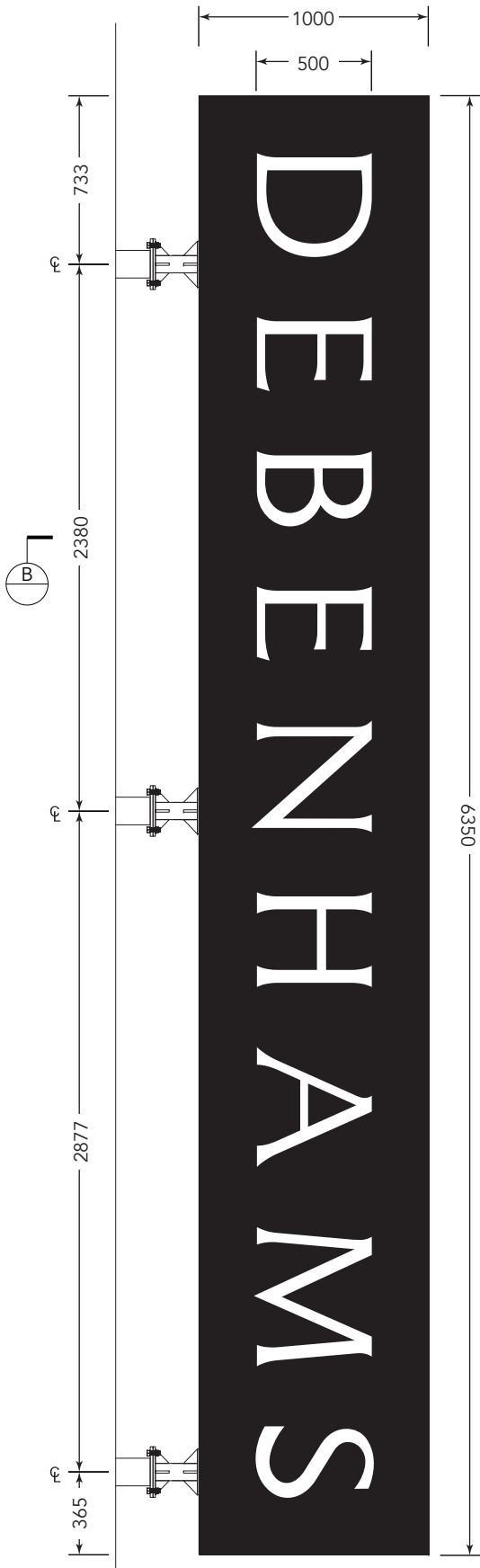
Sign F - Side 2 Front Elevation
scale 1:30



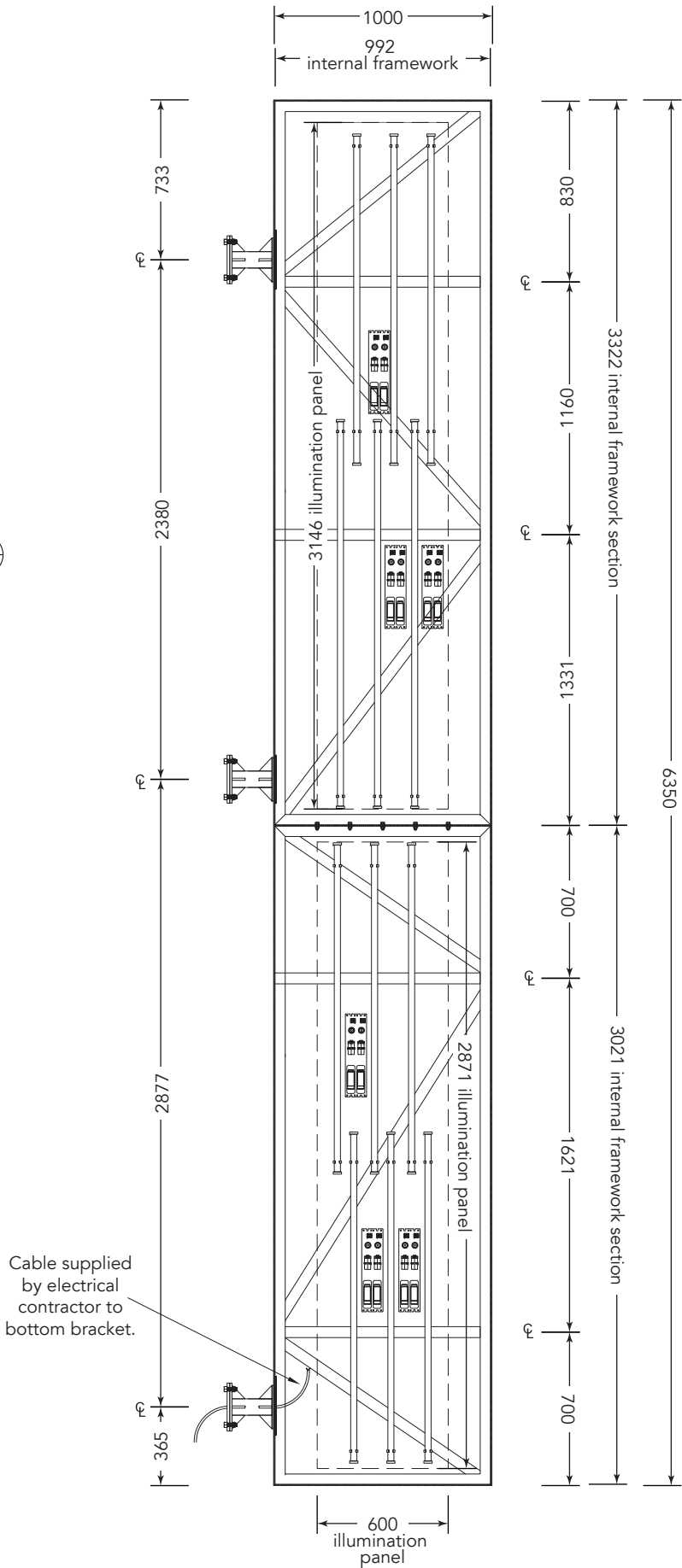
- ① Face panels from 2.5mm aluminium with 125mm folded returns, being etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish externally and reflective white internally. Panels are CNC cut to accept flush to face acrylic text. Panels are sleeved over the internal framework and fixed using M5 countersunk screws painted to match the panel colour.
NOTE - Panels will need to be notched around the fixing plates on the rear returns to survey details or before installation depending on manufacture/site installation timelines.
- ② Internal framework from 2.5mm aluminium with folded 75mm returns. Corners are mitred and welded.
- ③ 80mm x 80mm x 3mm wall aluminium S.H.S. crossbraces welded to the main internal framework.
- ④ Text from 3mm opal 050 acrylic, retained by M4 welded studs to the rear of the face panel.
- ⑤ 3mm thick clear makrolon panel, screwfixed into the aluminium S.H.S. crossbraces.
- ⑥ Illumination provided by banks of long life tri-phosphor fluorescent tubes, complete with high power factor switchstart ballast units wired internally and terminating with a fused terminal block. Fluorescent tubes are fixed to the crossbraces using tubes clips riveted through the crossbraces.
- ⑦ 400mm x 400mm x 6mm mild steel reinforcing plate positioned behind the main folded aluminium framework at fixing bracket locations and retained by M10 grade 8.8 stainless steel fixings used to fix main signcase to the mounting brackets. Fixing plates to have pre-drilled holes to accept M10 fixings and a 30mm diameter central cable hole. Plates are to be finished reflective white.
- ⑧ 10mm mild steel mounting plates welded to main bracket spigot (full penetration weld) detail A&B. Mounting plates are to have pre-drilled holes to accept M10 fixings. Mounting plates are to be galvanised prior to painting to prevent corrosion. All bracket work is to be primed and RAL 9005 (Jet Black) 30-40% matt finish. Neoprene gaskets are to be used where mounting plate meets the internal framework to prevent water ingress and bi-metallic corrosion. Mounting brackets are then fixed to the required background/building steels using fixings suitable to site requirements.
- ⑨ Main mounting spigot from 75mm diameter x 5mm wall mild steel circular hollow section, galvanised to prevent corrosion and then primed and RAL 9005 (Jet Black) 30-40% matt finish. Exact length of spigot to be determined on a site by site basis. Bracket is to project from the face of the building by a minimum of 100mm.
- ⑩ 10mm mild steel gusset plates welded to the main mounting spigot and the fixing plates using continuous fillet welds. Gusset plates to be RAL 9005 (Jet Black) 30-40% matt finish.
- ⑪ 120 x 120mm SHS steel projecting from building envelope with 220 x 220 x 12mm steel fixing plate. Plate to be drilled to accept M16 fixing.



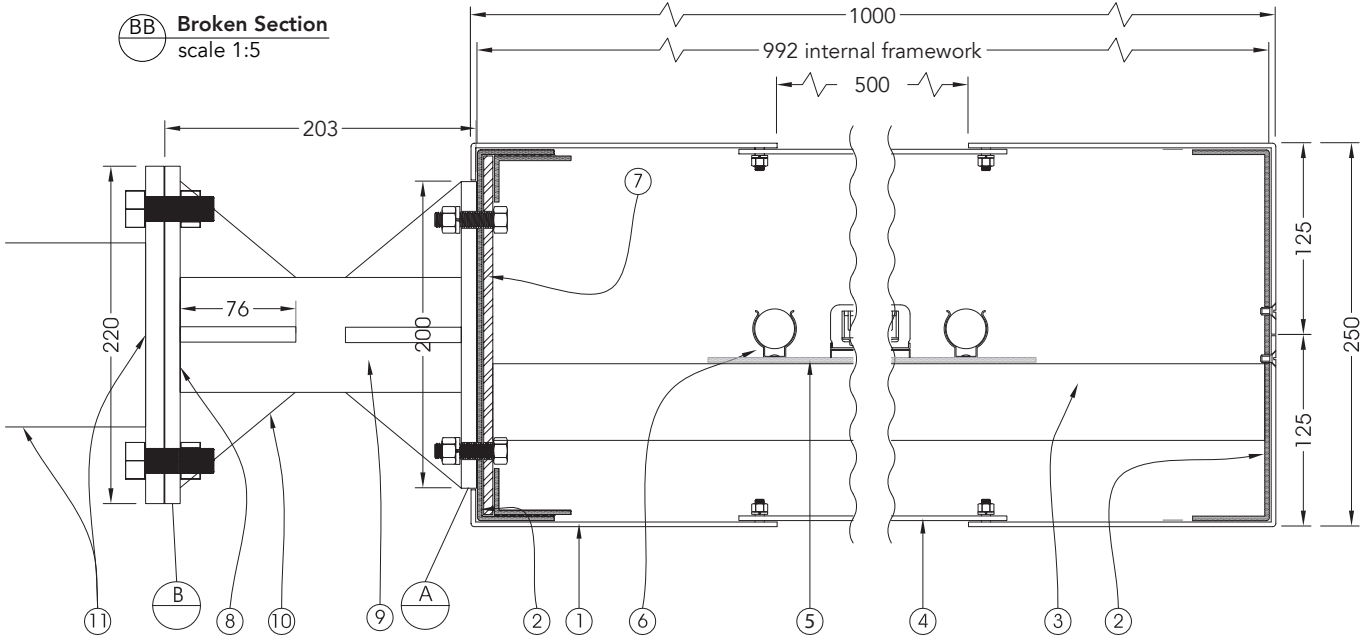
Sign G - Front Elevation
scale 1:30



Sign G - Front Elevation - Internal
scale 1:30



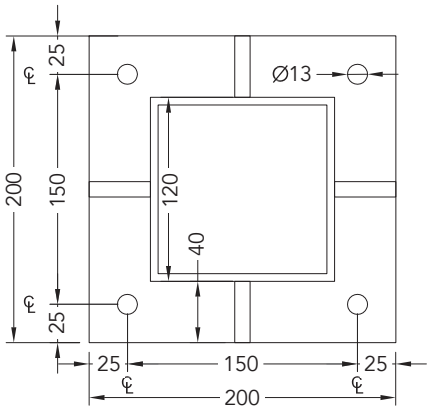
BB Broken Section
scale 1:5



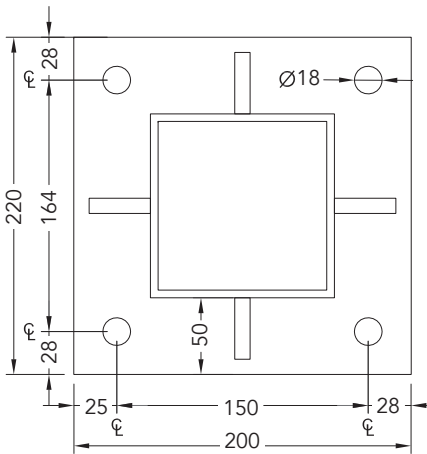
Sign G - Specification

- Face panels from 2.5mm aluminium with 125mm folded returns, powder coated RAL 9005 (Jet Black) 30-40% matt finish externally, and reflective white internally. Panels are CNC cut to accept backed up acrylic text. Panels are sleeved over the internal framework and fixed using M5 countersunk screws painted to match the panel colour.
NOTE - Panels will need to be notched around the fixing plates on the rear returns to survey details or before installation depending on manufacture/site installation timelines.
- Internal framework from 3mm aluminium with folded 50mm returns. Corners are mitred and welded.
- 50mm x 50mm x 2.5mm wall aluminium S.H.S. crossbraces welded to the main internal framework.
- Text from 3mm opal 050 acrylic, retained by M4 welded studs to the rear of the face panel.
- 3mm thick clear makrolon panel, screwfixed into the aluminium S.H.S. crossbraces.
- Illumination provided by banks of long life tri-phosphor fluorescent tubes, complete with high power factor switchstart ballast units wired internally and terminating with a fused terminal block. Fluorescent tubes are fixed to the crossbraces using tubes clips riveted through the crossbraces.
- 244mm x 200mm x 6mm mild steel reinforcing plate positioned behind the main folded aluminium framework at fixing bracket locations and retained by M10 grade 8.8 stainless steel fixings used to fix main signcase to the mounting brackets. Fixing plates to have pre-drilled holes to accept M10 fixings and a 30mm diameter central cable hole. Plates are to be finished reflective white.
- 10mm mild steel mounting plates welded to main bracket spigot (full penetration weld) detail A&B. Mounting plates are to have pre-drilled holes to accept M10 fixings. Mounting plates are to be galvanised prior to painting to prevent corrosion. All bracket work is to be primed and powder coated RAL 9005 (Jet Black) 30-40% matt finish. Neoprene gaskets are to be used where mounting plate meets the internal framework to prevent water ingress and bi-metalic corrosion. Mounting brackets are then fixed to the required background/building steels using fixings suitable to site requirements.
- Main mounting spigot from 75mm diameter x 5mm wall mild steel circular hollow section, galvanised to prevent corrosion and then primed and powder coated RAL 9005 (Jet Black) 30-40% matt finish. Exact length of spigot to be determined on a site by site basis. Bracket is to project from the face of the building by a minimum of 100mm.
- 10mm mild steel gusset plates welded to the main mounting spigot and the fixing plates using continuous fillet welds. Gusset plates to be powder coated RAL 9005 (Jet Black) 30-40% matt finish.
- 120 x 120mm SHS steel projecting from building envelope with 220 x 220 x 12mm steel fixing plate. plate to be drilled to accept M16 fixing.

A Plate Detail
scale 1:5

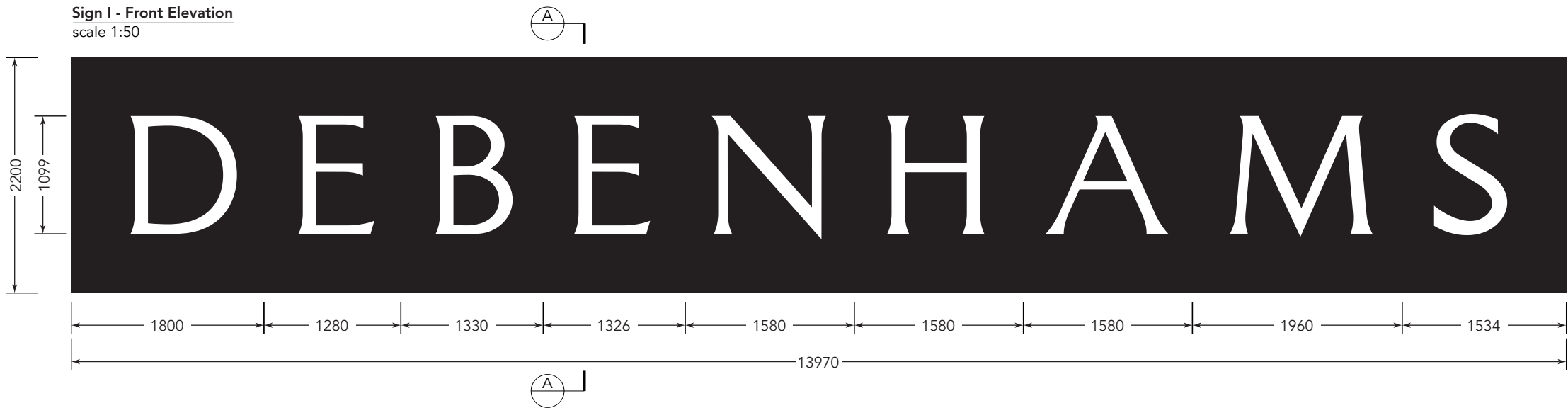


B Plate Detail
scale 1:5



Project manager Dean Lofts	Client Debenhams Retail Plc	Item description Sign G - Projection	
Designer Matt Price	Project Hereford	Scale - A3 1:30, 1:5	Rev 04
Date 15-10-13		Dwg no. 105897 01	Sheet 06

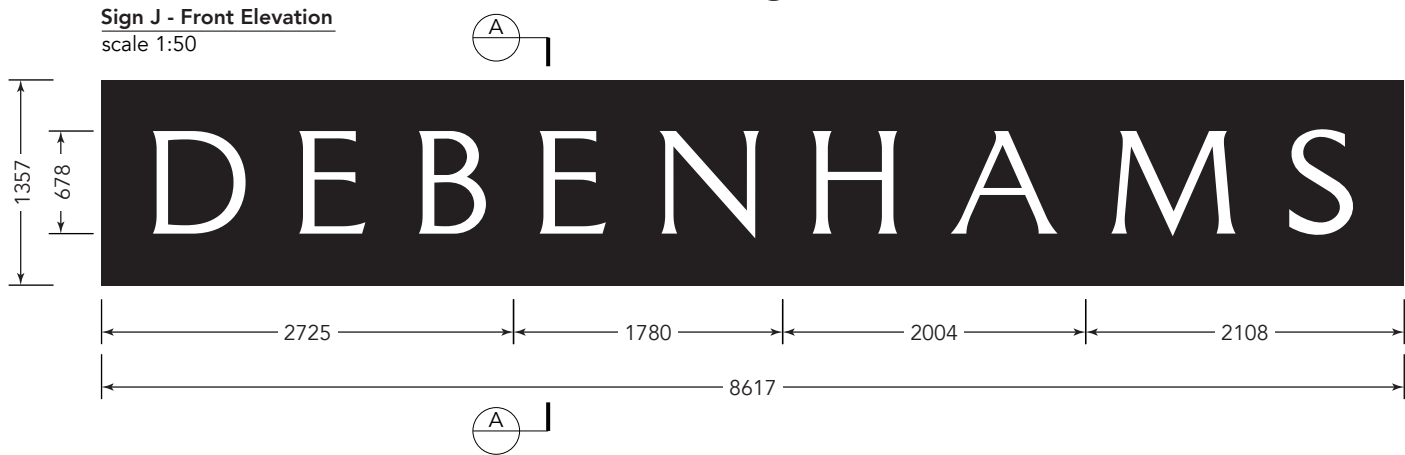




Sign I
Specification
Folded 2.5mm aluminium panel etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish. Panel is stencil cut and backed up by 3mm opal 050 acrylic. Panel fixed to background via full back tray with 25mm returns.

Sign is illuminated by internal tubes and ballast units fixed to a 1mm aluminium light tray.

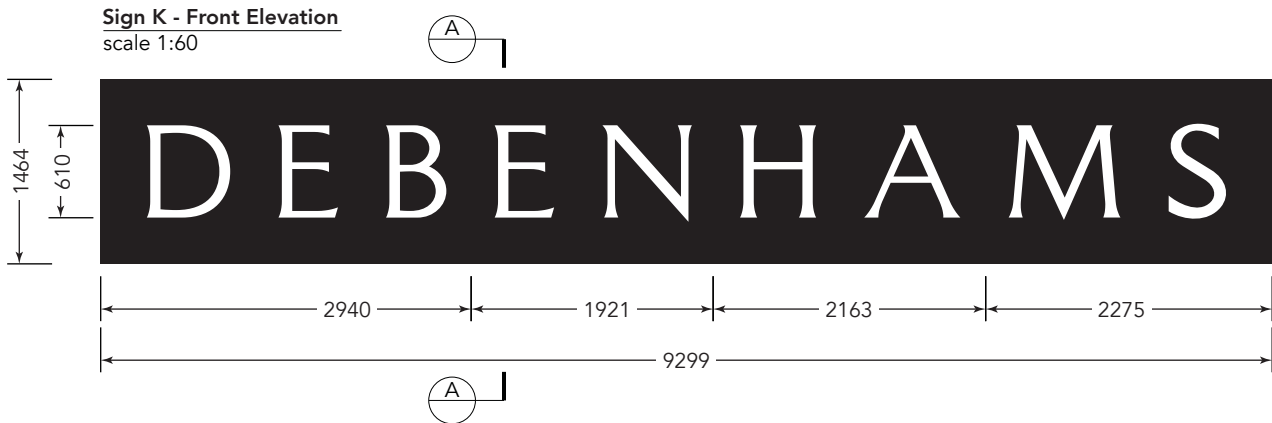
O/A manufacturing size - 13970 x 2200 x 100mm



Sign J
Specification
Folded 2.5mm aluminium panel etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish. Panel is stencil cut and backed up by 3mm opal 050 acrylic. Panel fixed to background via full back tray with 25mm returns.

Sign is illuminated by internal tubes and ballast units fixed to a 1mm aluminium light tray.

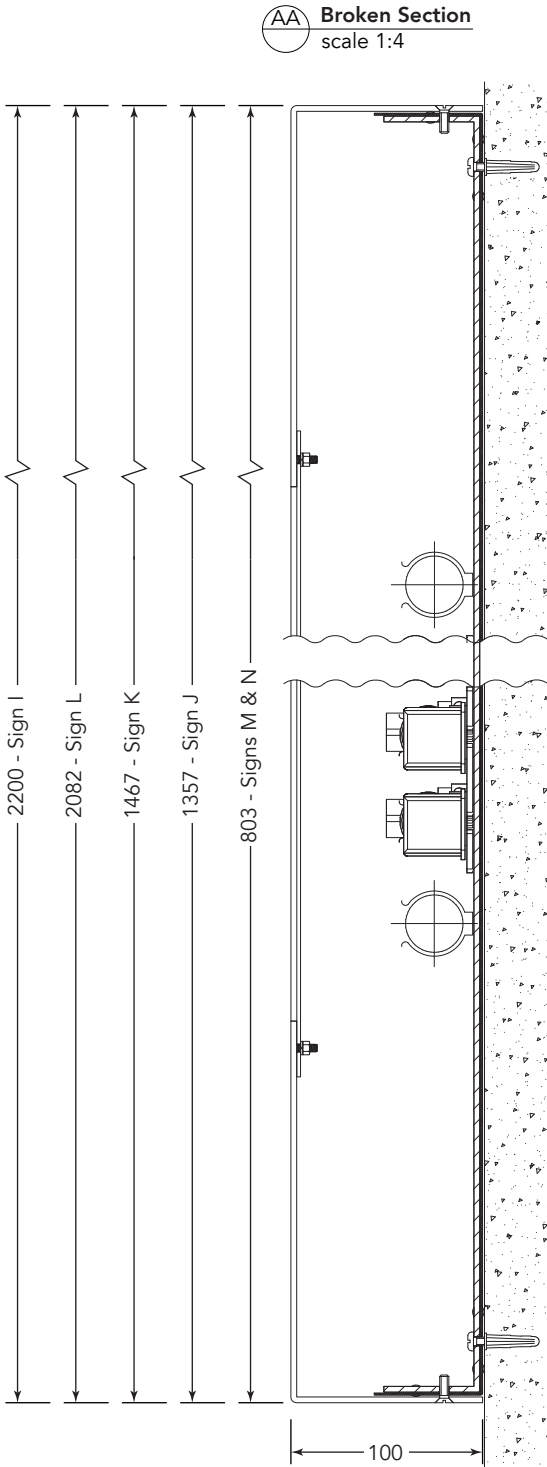
O/A manufacturing size - 8617 x 1357 x 100mm



Sign K
Specification
Folded 2.5mm aluminium panel etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish. Panel is stencil cut and backed up by 3mm opal 050 acrylic. Panel fixed to background via full back tray with 25mm returns

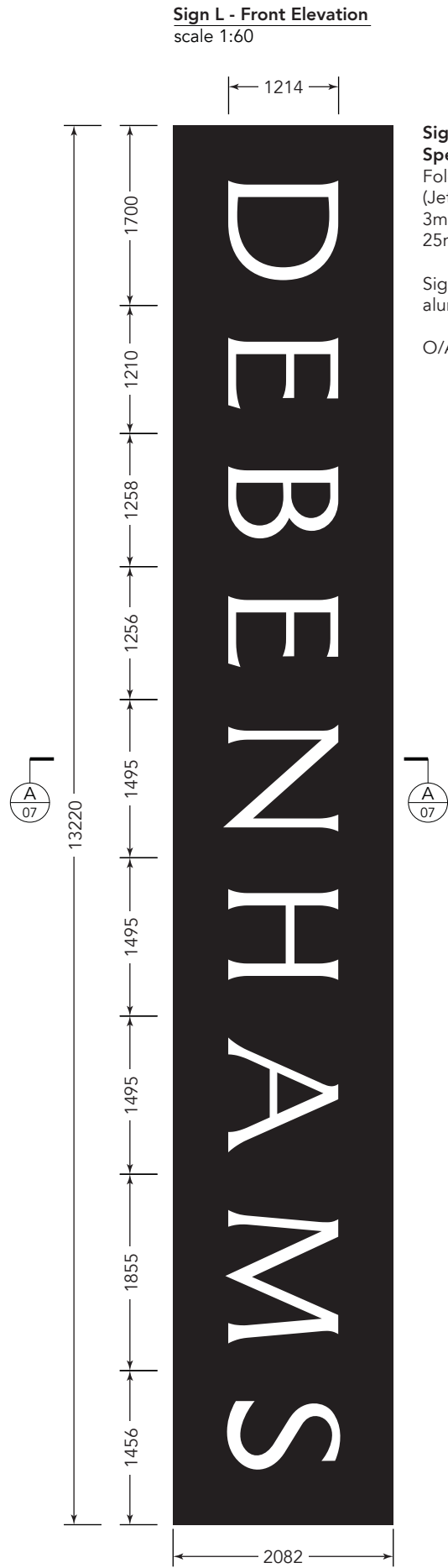
Sign is illuminated by internal tubes and ballast units fixed to a 1mm aluminium light tray.

O/A manufacturing size - 9299 x 1464 x 100mm



Project manager Dean Lofts	Client Debenhams Retail Plc	Item description Signs I, J & K	
Designer Matt Price	Project Hereford	Scale - A3 1:60, 1:50, 1:20	Rev 04
Date 15-10-13		Dwg no. 105897 01	Sheet 07

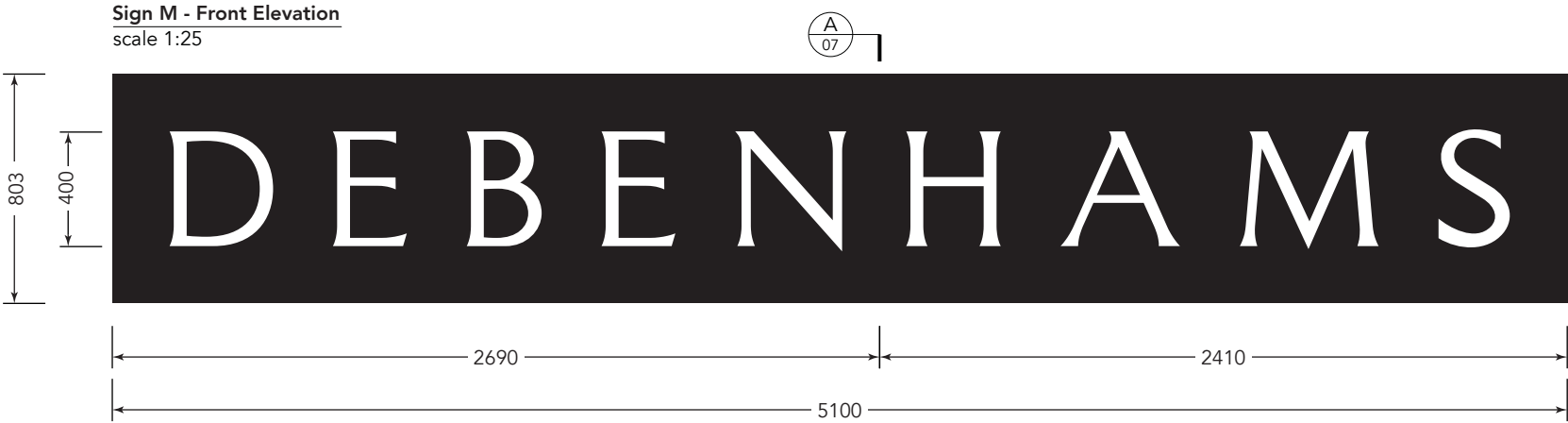




Sign L
Specification
Folded 2.5mm aluminium panel etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish. Panel is stencil cut and backed up by 3mm opal 050 acrylic. Panel fixed to background via full back tray with 25mm returns.

Sign is illuminated by internal tubes and ballast units fixed to a 1mm aluminium light tray.

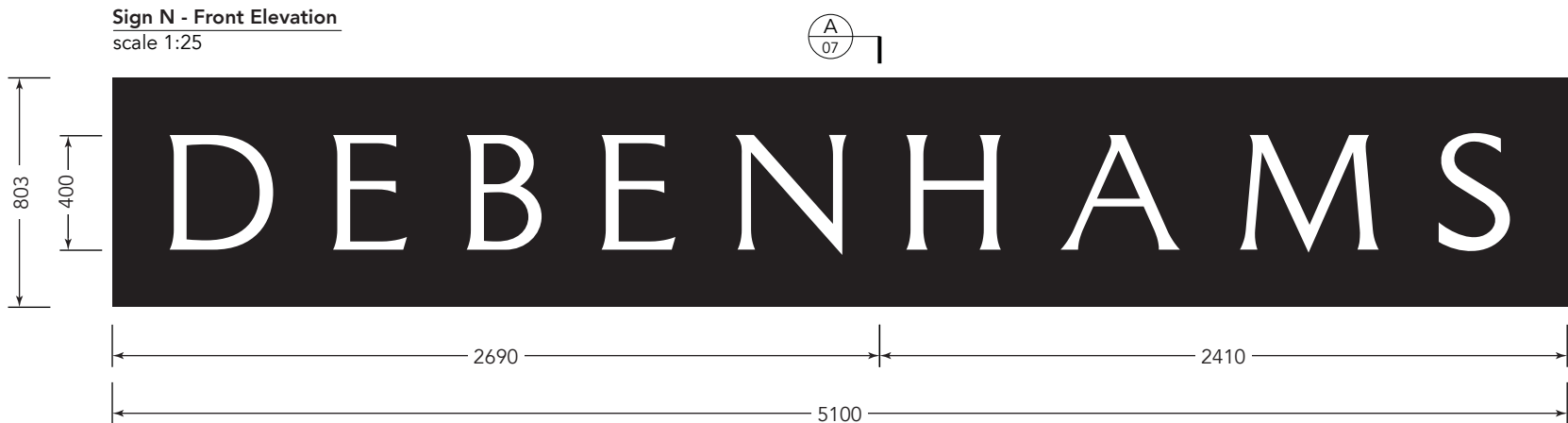
O/A manufacturing size - 2082 x 13220 x 100mm



Sign M
Specification
Folded 2.5mm aluminium panel etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish. Panel is stencil cut and backed up by 3mm opal 050 acrylic. Panel fixed to background via full back tray with 25mm returns. **Sign fitted to spiggots provided by developer.**

Sign is illumin ated by internal tubes and ballast units fixed to a 1mm aluminium light tray.

O/A manufacturing size - 5100 x 803 x 100mm



Sign N
Specification
Folded 2.5mm aluminium panel etched and powder coated RAL 9005 (Jet Black) 30-40% matt finish. Panel is stencil cut and backed up by 3mm opal 050 acrylic. Panel fixed to background via full back tray with 25mm returns.

Sign is illuminated by internal tubes and ballast units fixed to a 1mm aluminium light tray.

O/A manufacturing size - 5100 x 803 x 100mm

Project manager Dean Lofts	Client Debenhams Retail Plc	Item description Signs L, M & N	
Designer Matt Price	Project Hereford	Scale - A3 1:60, 1:25	Rev 04
Date 15-10-12		Dwg no. 105897 01	Sheet 08

