

Item	Qty	Part code	Description	Unit Price	Total
			<p>SIZE : 700mm x 1800mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : U shaped channel with extended leg to 1 side for fixing flange. Channel fabricated from 3mm aluminium. Led modules inset into channel and capped with flat cut 5mm opal polycarbonate attached with nylon locators. Includes conduit.</p> <p>COLOUR : Finished 1no colour to match stone.</p> <p>ILLUMINATION : White LED illumination ready for connection to a 240 volt fused spur supplied by others located at the sign position.</p> <p>FIXING : Assumed suitable solid flat background.</p>		
J	1	ITEM	<p>SUS 14</p> <p>To manufacture ex-works, 1no set of illuminated text reading 'L A N G S T A N E P L A C E'</p> <p>Overall 445mm CAP HEIGHT 30mm deep.</p> <p>NOTE : Includes wiring and mounting to pre made frames.</p> <p>TEXT & TYPEFACE : 'L A N G S T A N E P L A C E' as per clients artwork.</p> <p>SIZE : 445mm CAP HEIGHT 30mm deep.</p> <p>CONSTRUCTION : SUS.14 LANGSTANE PLACE L @ 445mm High, Re: LANGSTANE PLACE Overall span of letters @ 7040mm wide Face and partial side illuminated Full paint to back and outside returns and top half of inside return to illuminate open in the middle !!! - 30 mm opal acrylic - LED illumination: white - including threaded pins M3x20mm - template - inside corners milled with 4mm cutting too - Power Supply to suit - 3mm Flat Cut aluminium back plates - Powder coated to RAL: Black</p> <p>COLOUR : Finished black.</p> <p>ILLUMINATION : White LED illumination ready for connection to a 240 volt fused spur supplied by others located at the sign position.</p> <p>FIXING : To steel frames.- LED illumination: white - including threaded pins M3x20mm - template - inside corners milled with 4mm cutting too - Power Supply to suit - 3mm Flat Cut aluminium back plates - Powder coated to RAL: Black</p> <p>COLOUR : Finished black.</p> <p>ILLUMINATION : White LED illumination ready for connection to a 240 volt fused spur supplied by others located at the sign position.</p> <p>FIXING : To steel frames.</p>	£5,600.00	£5,600.00

Item	Qty	Part code	Description	Unit Price	Total
K	1	ITEM	<p>SUS 14 To manufacture ex-works, 1no set of illuminated text reading 'LEADING TO JUSTICE MILL LANE' Overall 160mm CAP HEIGHT 30mm deep.</p> <p>NOTE : Includes wiring and mounting to pre made frames.</p> <p>TEXT & TYPEFACE : 'LEADING TO JUSTICE MILL LANE' as per clients artwork.</p> <p>SIZE : 160mm CAP HEIGHT 30mm deep.</p> <p>CONSTRUCTION : SUS. 14 LEADING TO JUSTICE MILL LANE L @ 160mm High, Re: LEADING TO JUSTICE MILL LANE Overall span of letters @ 4910mm wide Face illuminated (FL) Full paint to back and outside returns open in the middle !!! - 30 mm opal acrylic - LED illumination: white - including threaded pins M3x20mm - template - inside corners milled with 4mm cutting too</p> <p>COLOUR : Finished black.</p> <p>ILLUMINATION : White LED illumination ready for connection to a 240 volt fused spur supplied by others located at the sign position.</p> <p>FIXING : To steel frames.</p>	£3,030.00	£3,030.00
L	1	ITEM	<p>SUS 18 To manufacture ex-works, 1no set of illuminated text reading 'W E S T E N D' Overall 445mm</p> <p>CAP HEIGHT 30mm deep.</p> <p>NOTE : Includes wiring and mounting to pre made frames.</p> <p>TEXT & TYPEFACE : 'W E S T E N D' as per clients artwork.</p> <p>SIZE : 445mm CAP HEIGHT 30mm deep.</p> <p>CONSTRUCTION : SUS.18 WEST END</p> <p>W @ 445mm High, Re: WEST END Overall span of letters @ 3790mm wide Face and partial side illuminated Full paint to back and outside returns and top half of inside return to illuminate open in the middle !!! - 30 mm opal acrylic - LED illumination: white - including threaded pins M3x20mm - template - inside corners milled with 4mm cutting too - Power Supply to suit - 3mm Flat Cut aluminium back</p> <p>COLOUR : Finished black.</p>	£2,988.00	£2,988.00

Item	Qty	Part code	Description	Unit Price	Total
M	1	ITEM	ILLUMINATION : White LED illumination ready for connection to a 240 volt fused spur supplied by others located at the sign position.		
			FIXING : To steel frames.		
			SUS 24	£4,292.00	£4,292.00
			To manufacture ex-works, 1no set of illuminated text reading 'C R O W N S T R E E T' Overall 445mm CAP HEIGHT 30mm deep.		
			NOTE : Includes wiring and mounting to pre made frames.		
			TEXT & TYPEFACE : 'C R O W N S T R E E T' as per clients artwork.		
			SIZE : 445mm CAP HEIGHT 30mm deep.		
			CONSTRUCTION : SUS.24 CROWN STREET C @ 445mm High, Re: CROWN STREET Overall span of letters @ 5800mm wide Face and partial side illuminated Full paint to back and outside returns and top half of inside return to illuminate open in the middle !!! - 30 mm opal acrylic - LED illumination: white - including threaded pins M3x20mm - template - inside corners milled with 4mm cutting too - Power Supply to suit - 3mm Flat Cut aluminium back		
			COLOUR : Finished black.		
			ILLUMINATION : White LED illumination ready for connection to a 240 volt fused spur supplied by others located at the sign position.		
			FIXING : To steel frames.		
N	1	ITEM	SUS 25	£4,636.00	£4,636.00
			To manufacture ex-works, 1no set of illuminated text reading 'M E R C H A N T Q U A R T E R' Overall 340mm CAP HEIGHT 30mm deep.		
			NOTE : Includes wiring and mounting to pre made frames.		
			TEXT & TYPEFACE : 'M E R C H A N T Q U A R T E R' as per clients artwork.		
			SIZE : 340mm CAP HEIGHT 30mm deep.		
			CONSTRUCTION : SUS.25 MERCHANT QUARTER M @ 340mm High, Re: SHIPROW Overall span of letters @ 6085mm wide Face and partial side illuminated Full paint to back and outside returns and top half of inside return to illuminate open in the middle !!! - 30 mm opal acrylic - LED illumination: white - including threaded pins M3x20mm - template		

Item	Qty	Part code	Description	Unit Price	Total
			<ul style="list-style-type: none"> - inside corners milled with 4mm cutting too - Power Supply to suit - 3mm Flat Cut aluminium back plates - Powder coated to RAL: Black <p>COLOUR : Finished black.</p> <p>ILLUMINATION : White LED illumination ready for connection to a 240 volt fused spur supplied by others located at the sign position.</p> <p>FIXING : To steel frames.</p>		
O	1	ITEM	<p>SUS 26</p> <p>To manufacture ex-works, 1no set of illuminated text reading 'G E O R G E S T R E E T' Overall 445mm CAP HEIGHT 30mm deep.</p> <p>NOTE : Includes wiring and mounting to pre made frames.</p> <p>TEXT & TYPEFACE : 'G E O R G E S T R E E T' as per clients artwork.</p> <p>SIZE : 445mm CAP HEIGHT 30mm deep.</p> <p>CONSTRUCTION : SUS.26 GEORGE STREET</p> <p>G @ 445mm High, Re: GEORGE STREET</p> <p>Overall span of letters @ 6070mm wide</p> <p>Face and partial side illuminated</p> <p>Full paint to back and outside returns and top half of inside return to illuminate open in the middle !!!</p> <ul style="list-style-type: none"> - 30 mm opal acrylic - LED illumination: white - including threaded pins M3x20mm - template - inside corners milled with 4mm cutting too - Power Supply to suit - 3mm Flat Cut aluminium back plates - Powder coated to RAL: Black <p>COLOUR : Finished black.</p> <p>ILLUMINATION : White LED illumination ready for connection to a 240 volt fused spur supplied by others located at the sign position.</p> <p>FIXING : To steel frames.</p>	£4,486.00	£4,486.00
P	1	ITEM	<p>SUS 02</p> <p>To manufacture ex works, 1no galvanised and painted support frame for 'B E L M O N T S T R E E T' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 6150mm x 370mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent.</p> <p>COLOUR : Finished RAL 7015 Slate Grey</p>	£1,780.00	£1,780.00

Item	Qty	Part code	Description	Unit Price	Total
			ILLUMINATION : N/A		
			FIXING : Attached to S/S wire assemblies, not included in this item.		
Q	1	ITEM	<p>SUS 04/05</p> <p>To manufacture ex works, 2no galvanised and painted support frame for 'S H I P R O W' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 3160mm x 370mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 stainless load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent.</p> <p>COLOUR : Finished RAL 7015 Slate Grey</p> <p>ILLUMINATION : N/A</p> <p>FIXING : Attached to S/S wire assemblies,not included in this item.</p>	£2,652.00	£2,652.00
R	1	ITEM	<p>SUS 04/05</p> <p>To manufacture ex works, 2no galvanised and painted support frame for 'L E A D I N G T O M A R I T I M E M U S E U M' text.</p> <p>NOTE : This frame is an option to be attached to another frame.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 4400mm x 370mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel with welded drops. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent.</p> <p>COLOUR : Finished RAL 7015 Slate Grey</p> <p>ILLUMINATION : N/A</p> <p>FIXING : N/A</p>	£1,992.00	£1,992.00
S	1	ITEM	<p>SUS 07</p> <p>To manufacture ex works, 1no galvanised and painted support frame for 'M E R C H A N T Q U A R T E R' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 7295mm x 370mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 stainless load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent.</p>	£2,010.00	£2,010.00

Item	Qty	Part code	Description	Unit Price	Total
			COLOUR : Finished RAL 7015 Slate Grey		
			ILLUMINATION : N/A		
			FIXING : Attached to S/S wire assemblies,not included in this item.		
T	1	ITEM	<p>SUS 09</p> <p>To manufacture ex works, 1no galvanised and painted support frame and wall plates for 'M E R C H A N T Q U A R T E R' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 6025mm x 290mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take fixing eye bolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent. Wall plates cut from 10mm 316 stainless steel with welded spiggots.</p> <p>COLOUR : Finished RAL 7015 Slate Grey</p> <p>ILLUMINATION : N/A</p> <p>FIXING : Subject to survey.</p>	£2,380.00	£2,380.00
U	1	ITEM	<p>SUS 10</p> <p>To manufacture ex works, 1no galvanised and painted support frame for 'W I N D M I L L B R A E' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 5630mm x 370mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 stainless load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent.</p> <p>COLOUR : Finished RAL 7015 Slate Grey.</p> <p>ILLUMINATION : N/A</p> <p>FIXING : Attached to S/S wire assemblies,not included in this item.</p>	£1,738.00	£1,738.00
V	1	ITEM	<p>SUS 12</p> <p>To manufacture ex works, 1no galvanised and painted support frame for 'L A N G S T A N E P L A C E' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 6465mm x 380mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 stainless load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire</p>	£1,820.00	£1,820.00

Item	Qty	Part code	Description	Unit Price	Total
			bird deterrent.		
			COLOUR : Finished RAL 7015 Slate Grey		
			ILLUMINATION : N/A		
			FIXING : Attached to S/S wire assemblies,not included in this item.		
W	1	ITEM	SUS 12 To manufacture ex works, 1no galvanised and painted support frame for 'LEADING TO JUSTICE MILL LANE' text. NOTE : This frame is an option to be attached to another frame. TEXT & TYPEFACE : N/A SIZE : 4400mm x 370mm x 38mm (WxHxD) CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel with welded drops. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent. COLOUR : Finished RAL 7015 Slate Grey ILLUMINATION : N/A FIXING : N/A	£994.00	£994.00
X	1	ITEM	SUS 14 To manufacture ex works, 1no galvanised and painted support frame for 'LANGSTANE PLACE' text. TEXT & TYPEFACE : N/A SIZE : 7240mm x 3420mm x 38mm (WxHxD) CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 stainless load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent. COLOUR : Finished RAL 7015 Slate Grey ILLUMINATION : N/A FIXING : Attached to S/S wire assemblies,not included in this item.	£2,010.00	£2,010.00
Y	1	ITEM	SUS 14 To manufacture ex works, 1no galvanised and painted support frame for 'LEADING TO JUSTICE MILL LANE' text. NOTE : This frame is an option to be attached to another frame. TEXT & TYPEFACE : N/A SIZE : 4940mm x 370mm x 38mm (WxHxD) CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel with	£1,070.00	£1,070.00

Item	Qty	Part code	Description	Unit Price	Total
			<p>welded drops. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent.</p> <p>COLOUR : Finished RAL 7015 Slate Grey</p> <p>ILLUMINATION : N/A</p> <p>FIXING : N/A</p>		
Z	1	ITEM	<p>SUS 018</p> <p>To manufacture ex works, 1no galvanised and painted support frame for 'W E S T E N D' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 4040mm x 425mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 stainless load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped totake letters. Complete with sprung s/s wire bird deterrent.</p> <p>COLOUR : Finished RAL 7015 Slate Grey</p> <p>ILLUMINATION : N/A</p> <p>FIXING : Attached to S/S wire assemblies,not included in this item.</p>	£1,456.00	£1,456.00
AA	1	ITEM	<p>SUS 24</p> <p>To manufacture ex works, 1no galvanised and painted support frame for 'C R O W N S T R E E T' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 6010mm x 425mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 stainless load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped totake letters. Complete with sprung s/s wire bird deterrent.</p> <p>COLOUR : Finished RAL 7015 Slate Grey</p> <p>ILLUMINATION : N/A</p> <p>FIXING : Attached to S/S wire assemblies,not included in this item.</p>	£1,870.00	£1,870.00
AB	1	ITEM	<p>SUS 25</p> <p>To manufacture ex works, 1no galvanised and painted support frame for 'M E R C H A N T Q U A R T E R' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 6285mm x 425mm x 38mm (WxHxD)</p>	£1,884.00	£1,884.00

Item	Qty	Part code	Description	Unit Price	Total
			<p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 stainless load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped totake letters. Complete with sprung s/s wire bird deterrent.</p> <p>COLOUR : Finished RAL 7015 Slate Grey</p> <p>ILLUMINATION : N/A</p> <p>FIXING : Attached to S/S wire assemblies,not included in this item.</p>		
AC	1	ITEM	<p>SUS 26</p> <p>To manufacture ex works, 1no galvanised and painted support frame for 'G E O R G E S T R E E T' text.</p> <p>TEXT & TYPEFACE : N/A</p> <p>SIZE : 6270mm x 425mm x 38mm (WxHxD)</p> <p>CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take 316 stainless load rated eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent.</p> <p>COLOUR : Finished RAL 7015 Slate Grey</p> <p>ILLUMINATION : N/A</p> <p>FIXING : Attached to S/S wire assemblies,not included in this item.</p>	£1,858.00	£1,858.00
AD	1	ITEM	<p>5 YEAR WARRANTY.</p> <p>NOTE : PARTS THAT ARE NOT REQUIRED TO BE CHANGED FOR SAFETY REASONS WILL BE IDENTIFIED AND CHANGED AT ANNUAL INSPECTION. WARRANTY LIMITED TO PARTS ONLY.</p> <p>NOTE : NO LICENSES OR TRAFFIC MANAGEMENT INCLUDED IN THIS ITEM. INCLUDES ACCESS EQUIPMENT.</p> <p>Warranty does not cover damages caused due to acts of God and force majeure acts.</p> <p>Warranty product is limited to manufacturing defects.</p> <p>Does not cover the product for physical damage from outside sources.</p> <p>16 x £425 per set of text, plus sign12,LS.</p> <p>SIGN REF</p> <p>SUS.02</p> <p>SUS.04</p> <p>SUS.05</p> <p>SUS.07</p> <p>SUS.09</p> <p>SUS.10</p> <p>SUS.12</p> <p>SUS.12-LS</p>	£7,225.00	£7,225.00

Item	Qty	Part code	Description	Unit Price	Total
			SUS.14 SUS.18 SUS.24 SUS.25 SUS.26		
AE	1	ITEM	DELIVERY - To package and deliver all frames and letters to Aberdeen.	£1,800.00	£1,800.00
			NOTE : 1no delivery, unloading to be arranged by others. Signs will be wrapped in bubble and cardboard.		
AF	1	ITEM	To provide structural calculations for frames only.	£1,250.00	£1,250.00
AG	1	ITEM	SAMPLES. To manufacture ex works, 3no samples	£2,458.00	£2,458.00
			TEXT & TYPEFACE : OW MO		
			SIZE : 6150mm x 370mm x 38mm (WxHxD)		
			CONSTRUCTION : 50 x 38 x 5mm S275JR steel channel welded together to form ladder frame with capped in ends to take fixing eyebolts,. Reverse covered with folded aluminium tray to cover wiring. Frame hot dipped galvanised. drilled and tapped to take letters. Complete with sprung s/s wire bird deterrent.		
			TEXT SIZES To manufacture Sample letters Double Outline FL + partial Side @ 445mm High Double Outline FL + partial Side @ 395mm High Double Outline FL + partial Side @ 295 Single Line FL @ 105mm High		
			COLOUR : Finished RAL 7015 Slate Grey		
			ILLUMINATION : N/A		
			FIXING : N/A		
AH	1	ITEM	To provide design and technical drawings for all frames.	£540.00	£540.00
AI	1	ITEM	ON SITE SUPERVISION. 1no person to attend site outside normal working hours and supervise installation of sign frames and letters by others. Works to be continuous over 4no nights. NOTE : Includes flights and accommodation.	£3,892.00	£3,892.00
AJ	1	ITEM	Agreed Credit Terms: 10% Upfront 20% On drawing approval 70% On 30 days	£0.00	£0.00
				Sub Total	£105,517.00
				VAT	£21,103.40
				TOTAL	£126,620.40

Terms

This quotation is ex-works, is valid for 30 days and subject to NES Terms & Conditions.

E & OE

Please acknowledge this confirmation of your order by duly signing and dating in the space below.

If any layouts have also been emailed through to you, please ensure that they are correct, sign each sheet and email it back to us.

Date _____ Signed _____
Comments

Invoices are due on receipt. Payment within 14 days would be appreciated.

INVOICE

Bank -

Sort Code -

DATE

18 October 2019

INVOICE NO

191001

Email

INVOICE TO

Rediscover Peterhead,
28 Marischal Street,
Peterhead.
AB42 1HS

Project Peterhead CCTV Payment Terms Due date

Due on Receipt 01 November 2019

Quantity	Description	Unit Price	Line Total
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8hrs w/c 30 September 2019 £25.00 £200.00

4.5hrs w/c 14 October 2019 £25.00 £112.05

Sub Total . £ 312.50

Total £ 312.50

Scotia Animations Limited
15-17 Bridge Street
Aberdeen
AB11 6JL

Tel: 01224 [REDACTED]
Email: [REDACTED]@scotia-access.co.uk
VAT Reg No: 724 1956 32
Company No: SC194543

Aberdeen BID Company Limited
32 Upperkirkgate
Aberdeen
AB10 1BA



INVOICE

Page 1

Invoice No	8470
Invoice Date	31/01/2022
Order No	
Account Ref	BID001

Quantity	Description	Unit Price	Net Amt	VAT %	VAT
1.00	To Install Works Suspended Signage (Interim Invoice)	67,500.00	67,500.00	20.00	13,500.00

PLEASE NOTE OUR BANK DETAILS HAVE CHANGED TO

Sort Code: [REDACTED]
Account: [REDACTED]

Total Net Amount	£	67,500.00
Carriage Net	£	0.00
Total Tax Amount	£	13,500.00
Invoice Total	£	81,000.00

Date	Details	Amount (Exc Vat)	Amount (Inc Vat)	Evidence	Invoice reference number	Paid (Yes/no) 15/03/2021	INVOICE FROM AI RECIEVED - 27/05/2021
18/10/2019	Project Management	£337.50		Invoice	A2 - 191001	No	
06/11/2019	Project Management	£337.50		Invoice	A3 - 191101	No	
29/11/2019	Project Management	£425.00		Invoice	A4 - 191101	No	
13/12/2019	Project Management	£425.00		Invoice	A5 - 191201	No	
23/12/2019	Project Management	£262.50		Invoice	A6 - 191202	No	
24/01/2020	Project Management	£500.00		Invoice	A7 - 200101	No	
06/02/2020	Project Management	£393.75		Invoice	A8 - 200201	No	
28/02/2020	Project Management	£687.50		Invoice	A9 - 200202	No	
12/02/2020	Project Management	£912.50		Invoice	A10 - 200301	No	
01/05/2020	Project Management	£100.00		Invoice	A11 - 200401	No	
25/10/2020	Project Management	£104.00		Invoice	A12 - 201001	No	
	TOTAL	£4,485.25					

01/02/2021	Project Management Feb/March 2021	£600.00		Invoice	B1 - INV-0069	No
08/02/2021	Project Management Feb/March 2021	£600.00		Invoice	B2 - INV-0070	No
15/02/2021	Project Management Feb/March 2021	£600.00		Invoice	B3 - INV-0071	No
22/02/2021	Project Management Feb/March 2021	£450.00		Invoice	B4 - INV-0072	No
02/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B5 - INV-0073	No
08/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B6 - INV-0074	No
16/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B7 - INV-0075	No
23/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B8 - INV-0076	No
29/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B9 - Inv-0077	No

TOTAL	£5,250.00
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11/11/2020	Brodiess	£595.00	£714.00	Invoice	C1 - 202041168	No
13/05/2020	Brodiess	£1,666.67	£2,000.00	Invoice	C2 - 202018791	No
	TOTAL	£2,261.67				

20/05/2020	David Narros	£1,000.00	£1,200.00	Invoice	D1 - INV010586	No
	TOTAL	£1,000.00				

Apr-20	Momentum	£10,000.00	£12,000.00	Invoice	E1 - 011281	No
May-20	Momentum	£5,987.50	£7,185.00	Invoice	E2 - 011363	No
	TOTAL	£15,987.50				

21/04/2021	Stuctural engineering	£2,184.00	£2,620.80	Invoice	F1 - INV012395	no
	TOTAL	£2,184.00				

TOTAL	£31,168.42
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ABERDEEN INSPIRED SUSPENDED SIGNAGE COST LIST

[illegible]

ABERDEEN INSPIRED SUSPENDED SIGNAGE COST LIST

Reference/File name	Invoice number	Date on invoice	Name of Suplier	Description	Total cost (inc. VAT)	VAT	Net cost	Cost Incured and defrayed (Y/N)	Comments
191001	191001	01/11/2019		Project management	£337.50	£0.00	£337.50		
191101	191101	06/11/2019		Project management	£337.50	£0.00	£337.50		
191101	191101	29/11/2019		Project management	£425.00	£0.00	£425.00		£447.40 Including coffee and taxi
191201	191201	13/12/2019		Project management	£425.00	£0.00	£425.00		
191202	191202	23/12/2019		Project management	£262.50	£0.00	£262.50		
200101	200101	24/01/2020		Project management	£500.00	£0.00	£500.00		
200201	200201	06/02/2020		Project management	£393.75	£0.00	£393.75		
200202	200202	28/02/2020		Project management	£687.50	£0.00	£687.50		
200301	200301	12/03/2020		Project management	£912.50	£0.00	£912.50		
200401	200401	01/05/2020		Project management	£100.00	£0.00	£100.00		
201001	201001	25/10/2020		Project management	£104.00	£0.00	£104.00		
INV-0069	INV-0069	01/02/2021		Project Planning	£600.00	£0.00	£600.00		
INV-0070	INV-0070	08/02/2021		Project Planning	£600.00	£0.00	£600.00		
INV-0071	INV-0071	15/02/2021		Project Planning	£600.00	£0.00	£600.00		
INV-0072	INV-0072	22/02/2021		Project Planning	£450.00	£0.00	£450.00		
INV-0073	INV-0073	02/03/2021		Project Planning	£600.00	£0.00	£600.00		
INV-0074	INV-0074	08/03/2021		Project Planning	£600.00	£0.00	£600.00		
INV-0075	INV-0075	16/03/2021		Project Planning	£600.00	£0.00	£600.00		
INV-0076	INV-0076	23/03/2021		Project Planning	£600.00	£0.00	£600.00		
INV-0077	INV-0077	29/03/2021		Project Planning	£600.00	£0.00	£600.00		
202041168	202041168	11/11/2020	Broadies		£715.00	£119.00	£595.00		
202018791	202018791	13/05/2020	Broadies		£2,000.00	£333.33	£1,666.67		
INV010586	INV010586	31/03/2020	David Narro Associates		£1,200.00	£0.00	£1,200.00		
INV012395	INV012395	21/05/2021	David Narro Associates		£2,620.00	£436.80	£2,184.00		
011281	011281	31/03/2020	Momentum Wayshowing		£12,000.00	£2,000.00	£10,000.00		
011363	011363	27/01/2021	Momentum Wayshowing		£7,185.00	£1,197.50	£5,987.50		
Suspended Signage	11392	31/03/2021	Momentum Wayshowing	Signage Consulting	£15,360.00	£2,560.00	£12,800.00		Have invoice
Suspended Signage	78	07/04/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	79	12/04/2021	Now Sales and Marketing Lt	Business Consulting	£375.00	£0.00	£375.00		Have invoice
Suspended Signage	80	20/04/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	81	27/04/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	82	03/05/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	83	10/05/2021	Now Sales and Marketing Lt	Business Consulting	£525.00	£0.00	£525.00		Have invoice
Suspended Signage	84	17/05/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	85	24/05/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	86	31/05/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	87	06/06/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	88	14/06/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	89	22/06/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	90	28/06/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	11422	31/07/2021	Momentum Wayshowing	Signage Consulting	£13,860.00	£2,310.00	£11,550.00		Have invoice
Suspended Signage	91	19/07/2021	Now Sales and Marketing Lt	Business Consulting	£525.00	£0.00	£525.00		Have invoice
Suspended Signage	92	26/07/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	93	02/08/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		Have invoice
Suspended Signage	94	14/08/2021	Now Sales and Marketing Lt	BUiness Consulting	£750.00	£0.00	£750.00		
Suspended Signage	95	23/08/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		

Suspended Signage	96	29/08/2021	Now Sales and Marketing Lt	Business Consulting	£525.00	£0.00	£525.00		
Suspended Signage	97	06/09/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		
Suspended Signage	98	14/09/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		
Suspended Signage	99	20/09/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		
Suspended Signage	100	27/09/2021	Now Sales and Marketing Lt	Business Consulting	£600.00	£0.00	£600.00		
Suspended Signage	101	03/10/2021	Now Sales and Marketing Lt	Business Consulting	£450.00	£0.00	£450.00		
Suspended Signage	6121/2021	07/12/2021	Safety Scotland	Safety Consulting	£995.00	£0.00	£995.00		
Suspended Signage	202152957	21/12/2021	Brodies	Legal Advice - Signage A	£750.00	£0.00	£750.00		
Suspended Signage	86160	22/09/2021	NES	Manufacture of Suspen	£78,534.80	£0.00	£78,534.80		
Suspended Signage	86235	19/10/2021	NES	Manufacture of Suspen	£10,243.71	£0.00	£10,243.71		
Suspended Signage	86302	12/11/2021	NES	Power supply units/ Dir	£724.40	£0.00	£724.40		
Suspended Signage	8251	15/10/2021	Scotia	Install Works	£80,000.00	£0.00	£80,000.00		
Suspended Signage	11433	29/09/2021	Momentum Wayshowing	procurement, design ar	£5,750.00	£0.00	£5,750.00		
Suspended Signage	11445	31/10/2021	Momentum Wayshowing	procurement, design ar	£2,707.72	£0.00	£2,707.72		

TOTALS	£258,330.88	£8,956.63	£249,374.05
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ABERDEEN INSPIRED SUSPENDED SIGNAGE COST LIST

[illegible]

Date	Details	Amount (Exc Vat)	Amount (Inc Vat)	Evidence	Invoice reference number	Paid (Yes/no) 15/03/2021
18/10/2019	Project Management	£337.50		Invoice	A2 - 191001	No
06/11/2019	Project Management	£337.50		Invoice	A3 - 191101	No
29/11/2019	Project Management	£425.00		Invoice	A4 - 191101	No
13/12/2019	Project Management	£425.00		Invoice	A5 - 191201	No
23/12/2019	Project Management	£262.50		Invoice	A6 - 191202	No
24/01/2020	Project Management	£500.00		Invoice	A7 - 200101	No
06/02/2020	Project Management	£393.75		Invoice	A8 - 200201	No
28/02/2020	Project Management	£687.50		Invoice	A9 - 200202	No
12/02/2020	Project Management	£912.50		Invoice	A10 - 200301	No
01/05/2020	Project Management	£100.00		Invoice	A11 - 200401	No
25/10/2020	Project Management	£104.00		Invoice	A12 - 201001	No
	TOTAL	£4,485.25				

01/02/2021	Project Management Feb/March 2021	£600.00		Invoice	B1 - INV-0069	No
08/02/2021	Project Management Feb/March 2021	£600.00		Invoice	B2 - INV-0070	No
15/02/2021	Project Management Feb/March 2021	£600.00		Invoice	B3 - INV-0071	No
22/02/2021	Project Management Feb/March 2021	£450.00		Invoice	B4 - INV-0072	No
02/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B5 - INV-0073	No

08/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B6 - INV-0074	No
16/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B7 - INV-0075	No
23/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B8 - INV-0076	No
29/03/2021	Project Management Feb/March 2021	£600.00		Invoice	B9 - Inv-0077	No
	TOTAL	£5,250.00				

11/11/2020	Brodiess	£595.00	£714.00	Invoice	C1 - 202041168	No
13/05/2020	Brodiess	£1,666.67	£2,000.00	Invoice	C2 - 202018791	No
	TOTAL	£2,261.67				

20/05/2020	David Narros	£1,000.00	£1,200.00	Invoice	D1 - INV010586	No
	TOTAL	£1,000.00				

Apr-20	Momentum	£10,000.00	£12,000.00	Invoice	E1 - 011281	No
May-20	Momentum	£5,987.50	£7,185.00	Invoice	E2 - 011363	No
	TOTAL	£15,987.50				

21/04/2021	Stuctural engineering	£2,184.00	£2,620.80	Invoice	F1 - INV012395	no
	TOTAL	£2,184.00				
	TOTAL	£31,168.42				

ABERDEEN SUSPENDED STREET SIGNS: ADVERTISEMENT CONSENT APPLICATION & SCHEME DOCUMENT

Revision	Issue date	Current issue
2.2	09.03.21	FOR SUBMISSION. Final amends, Appendix removed
2.1	05.03.21	Updated for Application in line with recent feedback
2.0	25.02.21	Draft for Advertising Consent
1.3	12.02.21	Updated for ACC internal discussions
1.2	29.01.21	Updated with location plans and distances to power
1.1	27.01.21	Advertisement Consent document
1.0	06.01.21	Initial design proposal

AB2-003-AD CONSENT & SCHEME
REVISION: VERSION 2.2
DATE: 09.03.2021

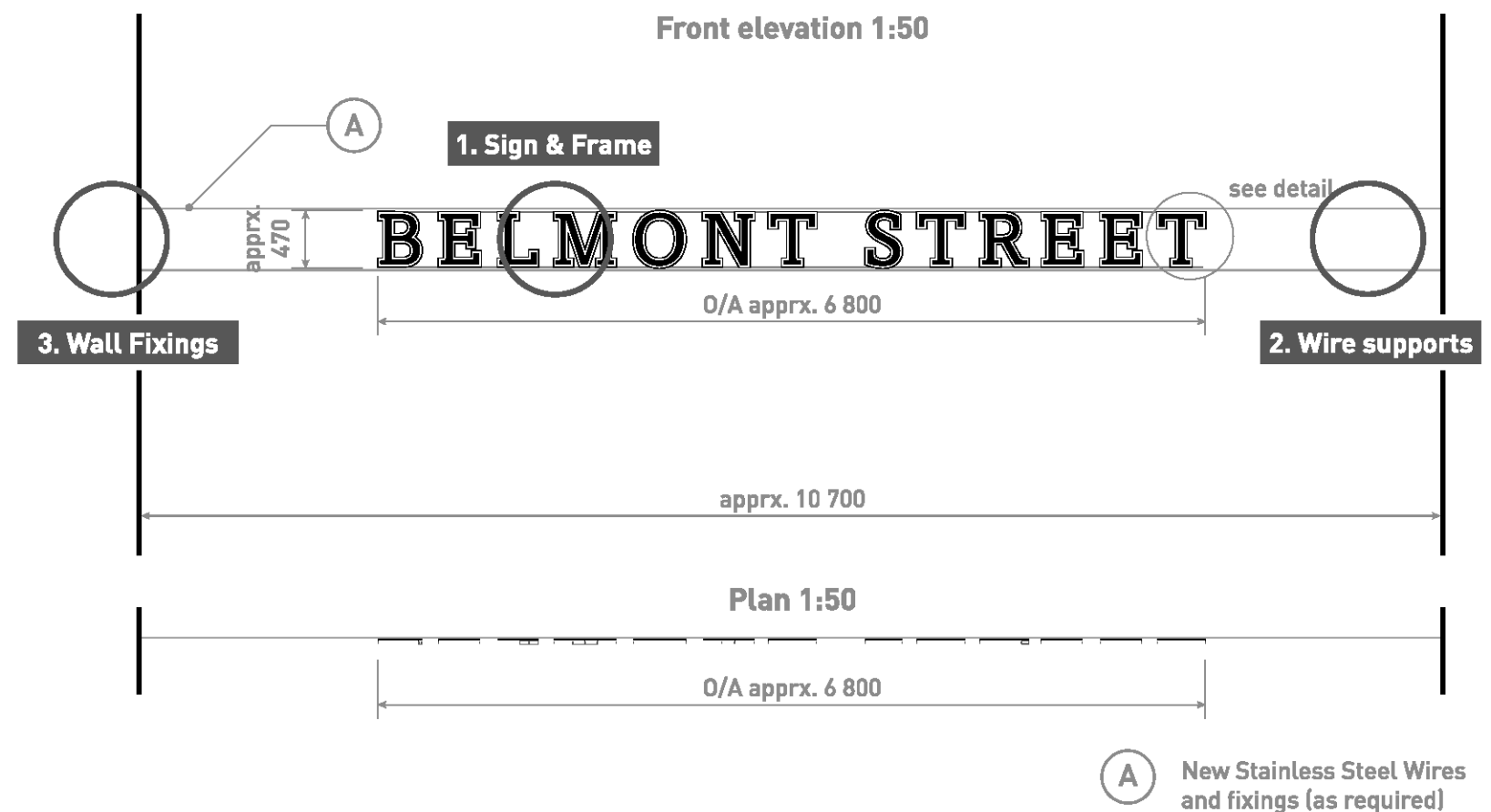
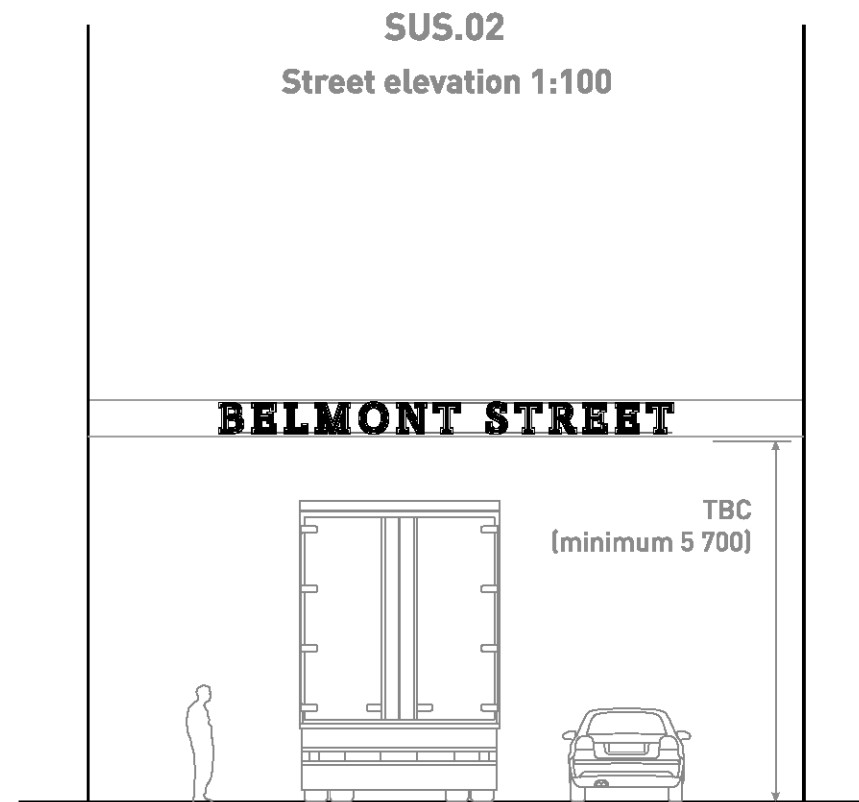
SUSPENDED STREET SIGNS: DESIGN CONCEPTS

DESIGN CONCEPTS - OBJECTIVES:

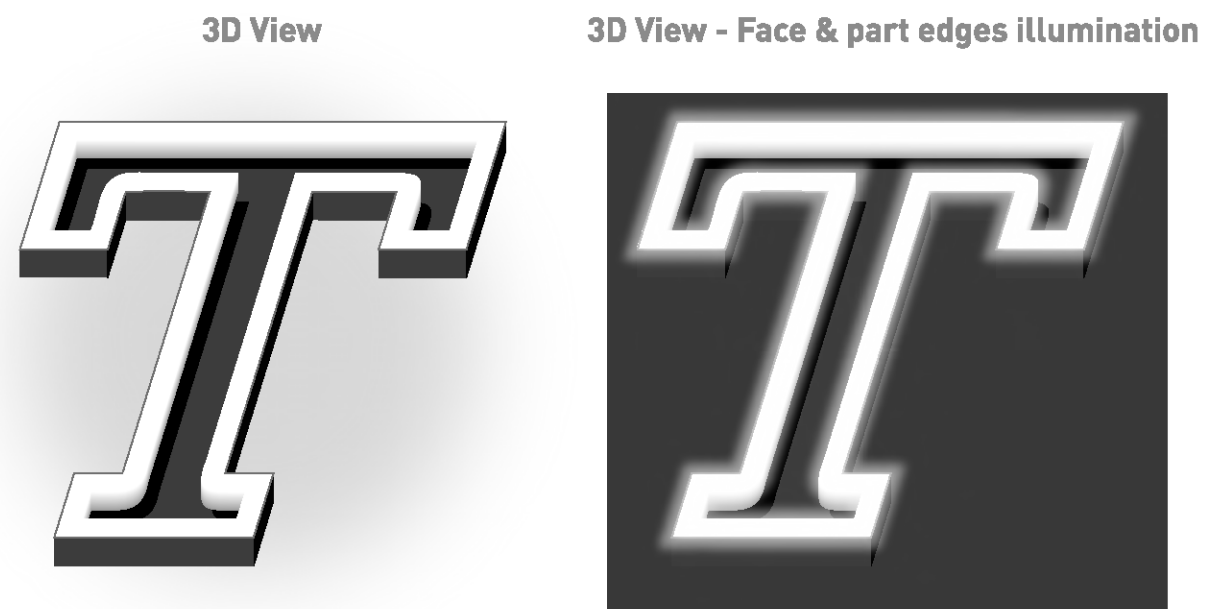
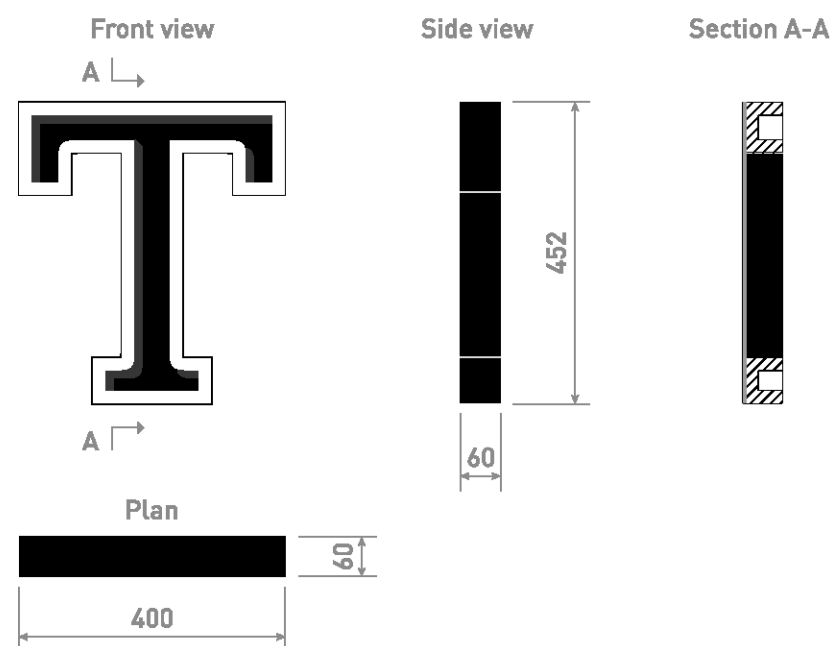
- Placemaking and identification devices which increase people's knowledge of Aberdeen City Centre
- Enliven and improve the City Centre of Aberdeen, for residents, visitors, businesses
- To build upon the wayfinding support provided by the Wayshowing Totems
- Celebrate some of the key streets, 'zones' and important connective routes in the City Centre
- To increase knowledge and awareness of the City Centre, encouraging pedestrian movement, exploration and discovery
- Ultimately to improve the experience of people in the City Centre and to positively impact the City.
- Signs which are visible in the Cityscape, without being dominant
- Legible day and night, regardless of weather conditions or light levels
- Face-illuminated when light levels are low, between certain hours (to be agreed with ACC) and seasonally adjusted

DESIGN INTENT - SPECIFICATION OVERVIEW:

- Comprising three elements
 - 1. Sign (illuminated letters & supporting structural framework)
 - 2. Supporting Wires and Tensioners, etc.
 - 3. Wall fixings
- Lightweight illuminated signage supported by visually unobtrusive 316 grade stainless steel wires and fixings
- Architectural typeface, suited to the Architecture of the Granite City
- White keyline with contrasting letter in-fill for contrast and legibility
- Face-illuminated keyline, to be lit on dull days and in evenings
- Minimum disruption and as few fixings as needed, generally into granite
- Use of existing fixing points where suitably located, but subject to testing.



Letter detail 1:10
All dims approximate and will vary by location



FIXING AND POSITIONING - KEY PRINCIPLES:

- Any intervention must be of minimal physical and visual impact on buildings
- Safety is paramount, and the nature, quantity and positioning of fixings will specified by the Engineer
- All final fixing heights must comply with DMRB guidance (fixing heights over roads min. 5700 mm and pedestrian pathways min. 3500 mm) and must always do so. Sag plus levels and curvature of roads and pavements must be taken into account.
- Cables will wherever possible be limited to two per side, four in total. Only the largest spans will require 8 qty cables.
- Refer to Drawings and Specifications by David Narro Associates
- On each side of the street, fixings will be in vertical alignment, as far as possible
- Across the street, the upper fixings and lower fixings will be in horizontal alignment with each other, as far as possible
- It may be necessary to adjust fixing locations slightly, to achieve a robust and secure fixing
- Early pilot hole/ depth test drills, and pull out tests will be required to enable finalising of fixing proposals
- Engineer to advise in respect of final proposals for exact fixing locations and fixing specifications
- All details of fixing locations, fixing types and sizes and methods, will be subject to review and approval by Aberdeen City Council
- Consideration will to be given to Festive Lighting and suspended signage interaction and may result in omission of festive lighting or Suspended Sign being turned off, during the Festive Period, if deemed necessary upon review.

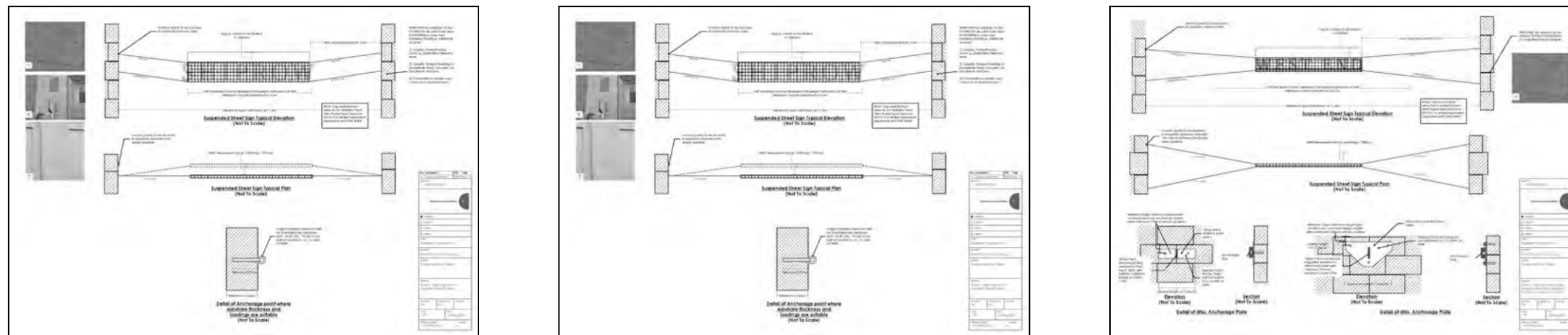
MAINTENANCE - KEY PRINCIPLES:

- The design life of the signage is specified as 20 years
- Aberdeen and Aberdeen Inspired have agreed to the inclusion within this project of 5 years of maintenance and testing regime
- The funding agreement stipulates that Aberdeen Inspired are responsible for the maintenance regime for the lifetime of the signage scheme
- Within the contract, if Aberdeen Inspired does not exist for the reason of a ballot, the signs and fixings may be removed at the request of Aberdeen City Council. Aberdeen Inspired agree to remove any or all signage and fixings, at their cost, here requested to do so by ACC
- Within the period of 5 years, Aberdeen Inspired and Aberdeen City Council will put in place an agreement for the subsequent 5-year term
- It is anticipated that at some point in the future all the LED illumination may need to be replaced, however, this will not be required during the first 5 years, which will be covered by a manufacturer warranty (with the exception of any electrical transformers which will be replaced as necessary during the annual maintenance regime).
- All signs will be visually inspected, maintained and cleaned annually
- Annual works may only take place March - October (TBA) and outside of the Festive Lighting and associated works period
- Any repair works to signage or illumination will wherever possible take place annually at the time of inspection, cleaning and testing
- All fixings must be pull-tested after installation, and prior to installing any signage, for certainty
- Pull-testing will take place during the maintenance contract, to a schedule proposed by the Structural Engineer (to be agreed by ACC)

ELECTRICALS - KEY PRINCIPLES:

- All details of electrical works including junction boxes and cabling are to be agreed in advance with Aberdeen City Council Planning Service
- Note that the existing and long-standing cast iron Bleeco boxes are in many instances in very poor condition
- Several locations require new junction boxes, to approved ACC specifications/ requirements
- All illuminated signs will require new small connection boxes at high level, located within close range of the fixings
- Current understanding of all anticipated electrical works (and associated groundwork or SSE involvement) is noted for each location
- Generally, all groundworks will be minor, with the exception of SUS.05, Shiprow South and SUS.25, Crown Street (new supplies required)
- Timing of illumination and any seasonal variation, or due to location, is to be agreed
- Anticipate signs will be illuminated between certain hours only, when light levels are low enough to warrant illumination.

ALL WORK MUST COMPLY WITH ENGINEERS REQUIREMENTS AND BE APPROVED BY DAVID NARRO ASSOCIATES AND ABERDEEN CITY COUNCIL.



Technical Information Note

JOK: ABBEYDENE SIGNAGE

JOK No. 21.0227

SUBJECT: CABLE RIVET FOR PLANNING Rev. 1.0

Date: 10/05/2001

5.0 Introduction

A series of signs are to be suspended across the streets of Abbeyside. The signs are formed of a rigid rectangular aluminium framework with wires affixed to one face. The frames are supported from cables to the walls either side.

1.0 Subsections

The walls supporting the frames are formed of a number of subunits including

- 1) Granite Ashlar/Tracing Stone to Lifford Massy Academy wall
- 2) Granite Ashlar/Tracing to pottery wheel, concrete, or blackwall structure.
- 3) Concrete/brick render over concrete or steel structure.

The geometry and the number of cables required depends on the strength of the connection to the subunit wall. For the purpose of these planning calculations an approximate frame strength of 100kN is utilised. This value will be confirmed once plans with pull out tests prior to the installation and the tendering.

For subunits 2 and 3 there is an additional level of uncertainty in the loads. Although 100kN is likely to be conservative, confirmation of the build up in these areas through pull out tests would be desirable to confirm this. These signs are indicated in the tables covered with a light blue III

2.0 Cables/Reinforcements

A number of signs are placed on particularly wide streets or with a narrow sign loading to a significant cable span to either side of the signs. These signs will therefore be more susceptible to movement particularly buffeting under horizontal wind loads. In the case of these signs additional historic building structures are recommended. These are highlighted with a light blue III in the tables covered.

In one case the span of the sign is approximately equal to the span of the street and the framework of the sign can be directly tied to the walls without the need for cabling. This sign is designated in blue I in the tables.

Signs – Signs with permanent structural support

Sign	Sign type	Facing side (s)	Span (m)	Sign length (m)	Span (m)	Sign weight (kN)	Sign height (m)	Sign width (m)	Sign location
Abbeyside	Abbeyside street	Type 1	Type 1	2.0	6.0	N/A	N/A	N/A	1

3.3 Specification of Slips									
The signs can be divided into 3 cases as described below and in drawings.									
Case 1: The sign and sign width mean vertical slip under self-weight, and horizontal swing under wind loads are limited to less than 300mm for a simple installation of 250c cables to each end of the sign or shown on DWG 2.1.0227.35.001									
Case 2: The sign and sign width mean that additional anchors for each hanging point are required to limit the sign and horizontal swing under wind load to less than 300mm, each hanging point will require either 2No. or 3No. anchors as shown on DWG 2.1.0227.35.101									
Case 3: As per case 2 each hanging point requires a minimum of 2No. or 3No. anchors. In addition to this it is recommended that additional cables for horizontal stabilisation are provided, as shown on DWG 2.1.0227.35.103									
Table 1 - Case 1 Signs									
Slip	Title	Rating Point Size A	Rating Point Size B	Slip length (m)	Beam size	Slip method	Weight (kg)	No. Anchors per cable	
55.2.24	250c + 250c + 250c (3 to 1000mm in 100mm)	Type 1	Type 1	5.0	6.8	200mm	210mm	1	
55.2.25	250c + 250c (2 to 1000mm in 100mm)	Type 1	Type 1	4.3	7.6	200mm	210mm	1	
55.12.16	Large format Placed (anchored to J&U)	Apply additional cables, concrete or steel beam stabiliser		4.3	6.8	200mm	210mm	1	
55.2.26	Memorand anchor	Apply cables to preferably steel beam or steel building		4.1	6.7	300mm	250mm	1	
Table 2 - Case 2 Signs									
Slip	Title	Rating Point Size A	Rating Point Size B	Slip length (m)	Beam size	Slip method	Weight (kg)	No. Anchors per cable	
55.2.27	250c + 250c + 250c (3 to 1000mm in 100mm)	Type 1	Type 1	4.2	12.7	200mm	210mm	2	
55.2.27	Memorand anchor	Type 1	Type 1	2.3	11.4	200mm	210mm	2	
55.2.28	Vertical sign	Type 1	Alloy steel beam (anchored to steel column)	6	11.8	250mm	250mm	2	
55.12.16	Large format Placed (anchored to preferably steel beam or building)	Type 1	Type 1	7.2	19.3	250mm	250mm	3	
Table 3 - Case 3 Signs									
Slip	Title	Rating Point Size A	Rating Point Size B	Slip length (m)	Beam size	Slip method	Weight (kg)	No. Anchors per cable	
55.12.18	Wind sign	Type 1	Type 1	3.8	12.8	200mm	210mm	2	
55.12.24	Corner Steel Slange	Type 1	Type 1	5.0	12.6	200mm	210mm	2	
55.12.26	Slange	Type 1	Type 1	4.3	14.7	200mm	210mm	2	

TYPICAL WALL TYPES

Wall build up variable. To be confirmed via pilot holes prior to installation, may vary between buildings. Materials include:

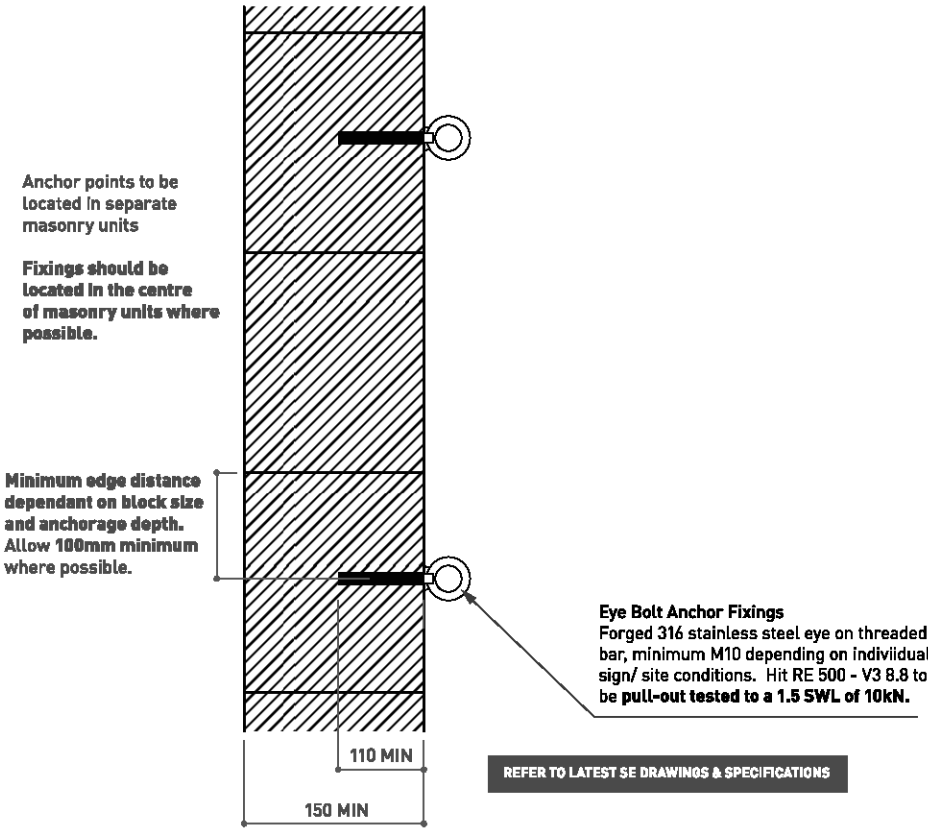
- 1) Granite Ashlar/Facing Stone to Likely Mass Masonry walls
- 2) Granite Ashlar/Cladding to potentially steel, concrete, or blockwork structure.
- 3) Historic dressed stone monument
- 4) Cementitious render over concrete or steel structure.

Note: Fixings must not be into granite blocks which are in the top courses, near the top of a wall, due to risk of stone being pulled out.

ALL STRUCTURAL FIXING AND CABLING REQUIREMENTS MUST BE IN ACCORDANCE WITH LATEST GUIDANCE FROM THE STRUCTURAL ENGINEER (SE)

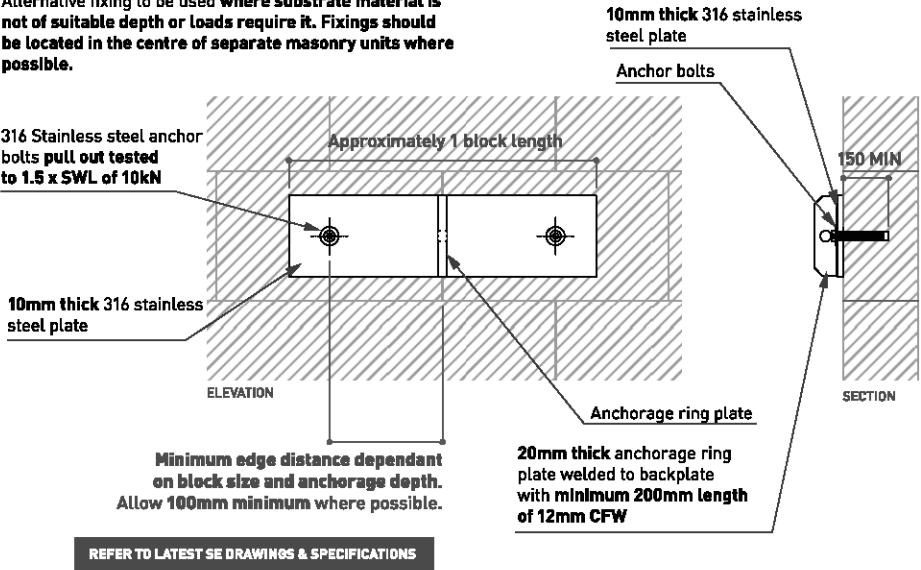
ANCHORAGE POINT : 1 point fixing per cable

Standard fixing type where conditions allow. Fixings should be located in the centre of separate masonry units where possible.



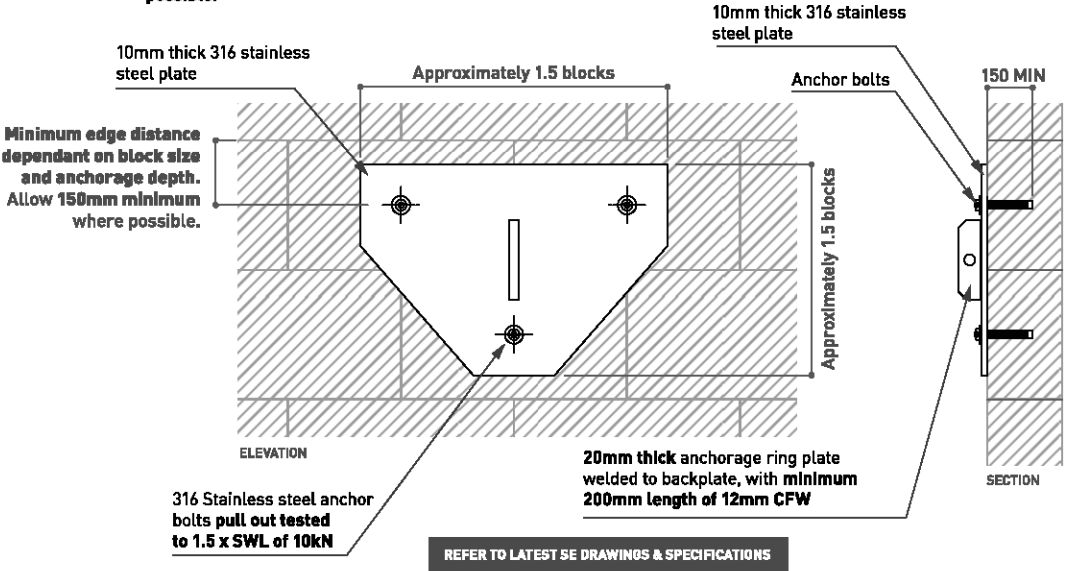
2 POINT ANCHORAGE PLATE : 2-point fixing per cable

Alternative fixing to be used where substrate material is not of suitable depth or loads require it. Fixings should be located in the centre of separate masonry units where possible.

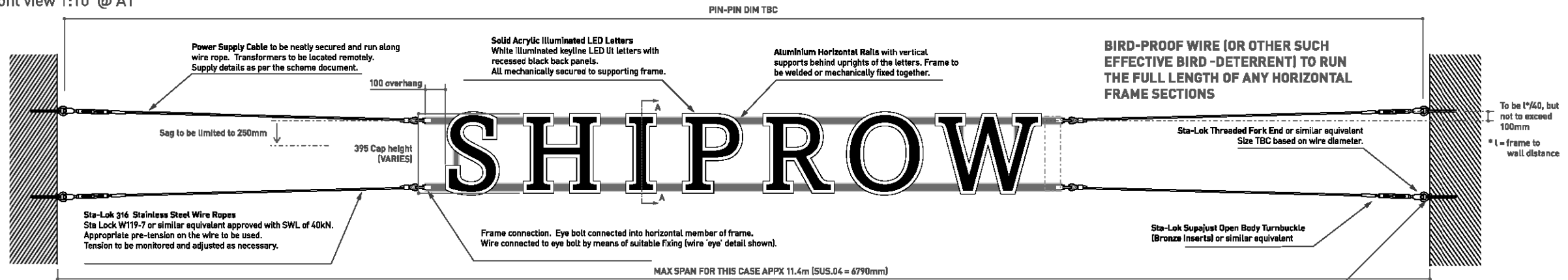


3 POINT ANCHORAGE PLATE : 3-point fixing per cable

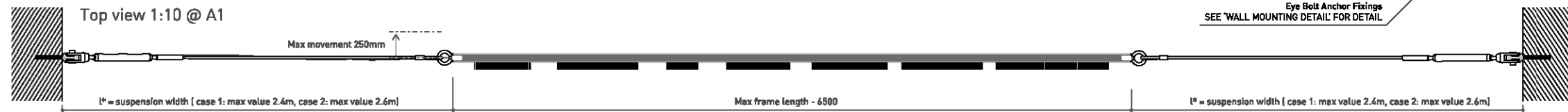
Alternative fixing to be used where substrate material is not of suitable depth or loads require it. Fixings should be located in the centre of separate masonry units where possible.



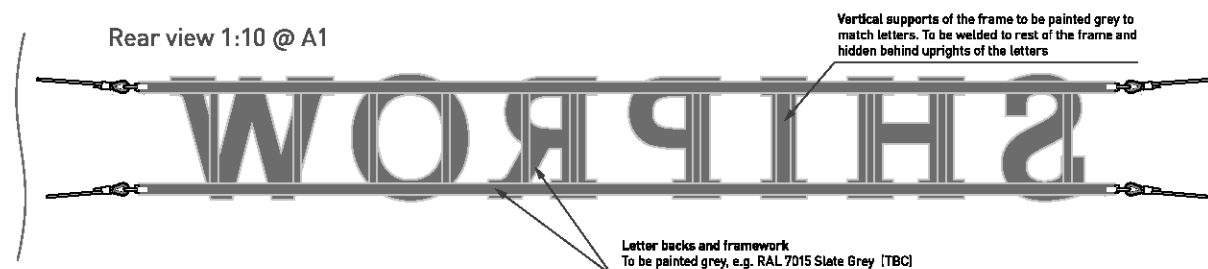
Front view 1:10 @ A1



Top view 1:10 @ A1



Rear view 1:10 @ A1



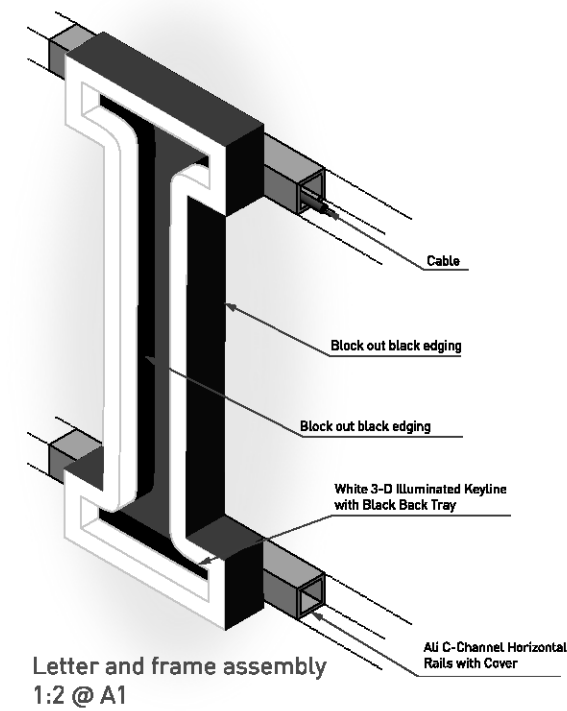
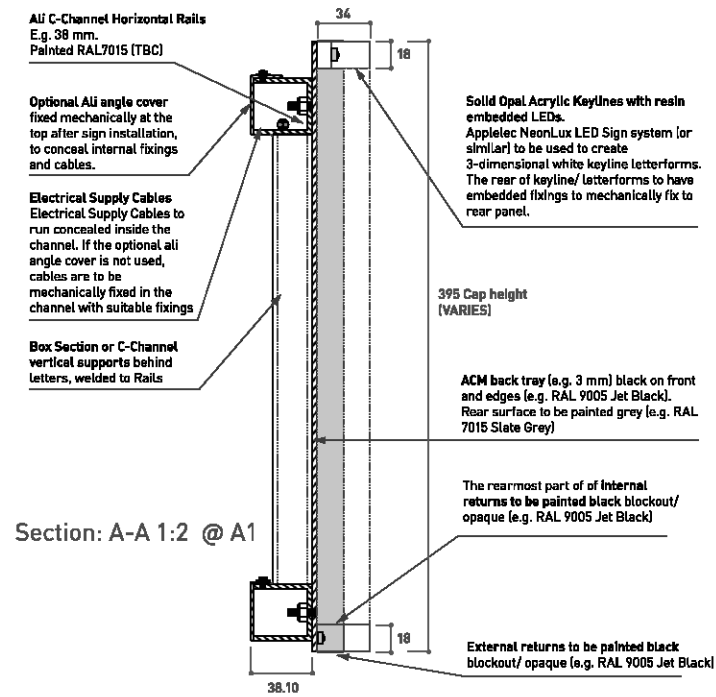
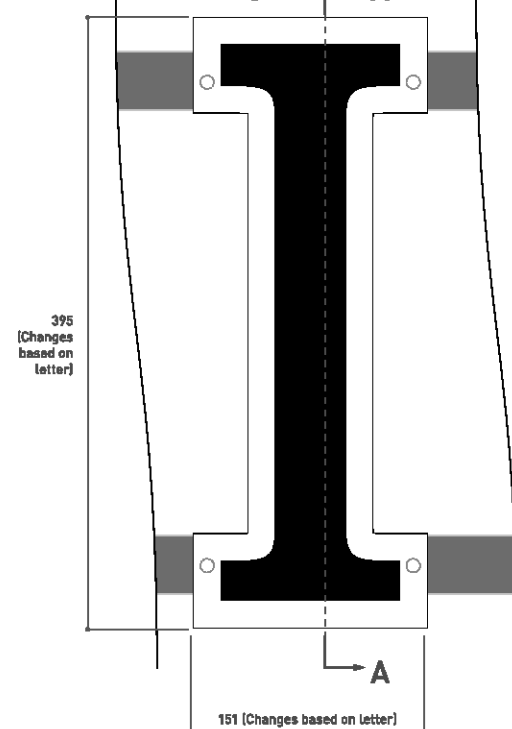
SEE 'WALL INTERFACES' PAGE FOR MORE INFORMATION

Wire Spec

Note: Top and bottom wires to be stainless steel wire ropes typ.

Sta Lock W119-7 or similar equivalent approved with SWL of 40kN

Close view of letter 1:2 @ A1



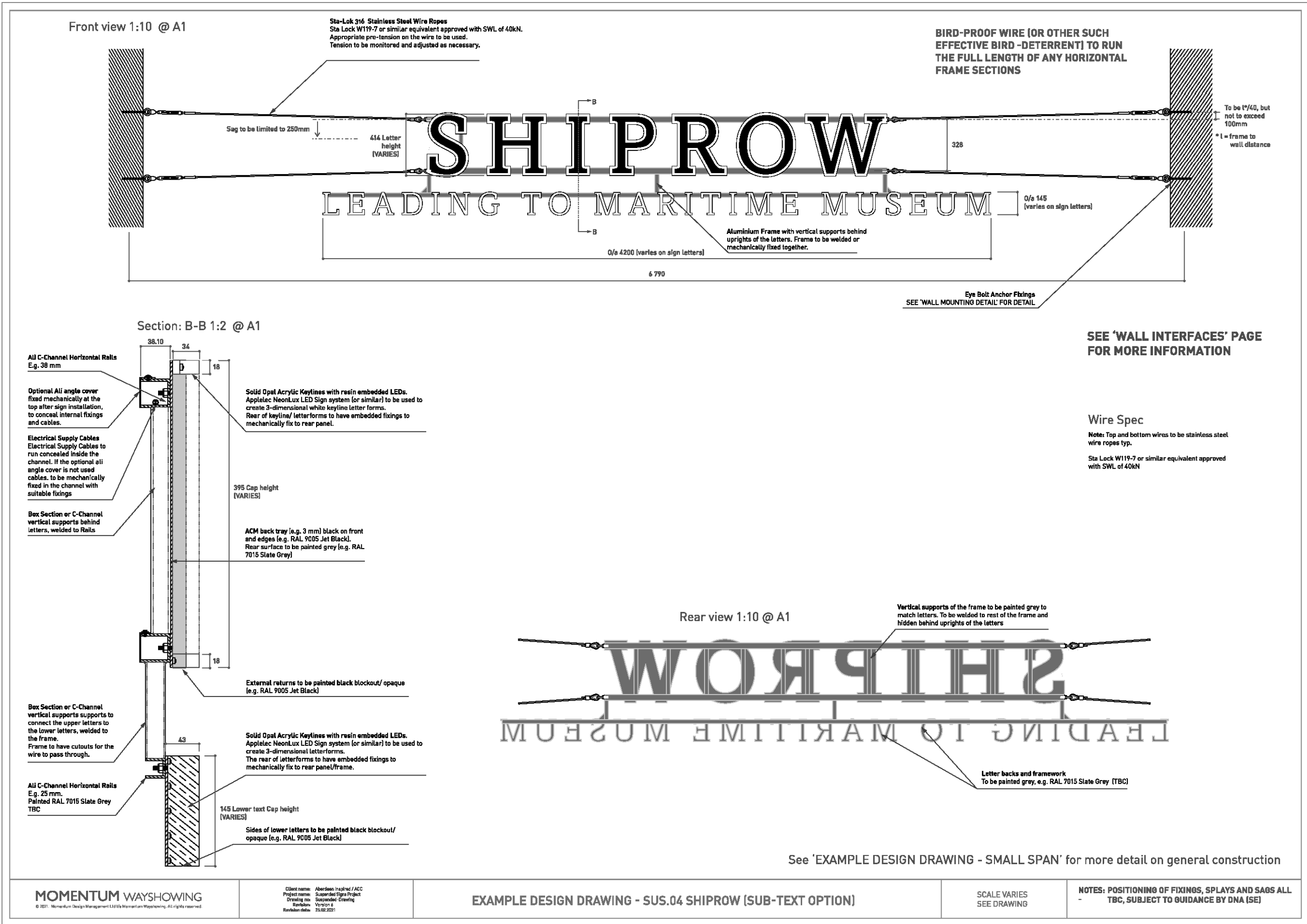
MOMENTUM WAYSHOWING
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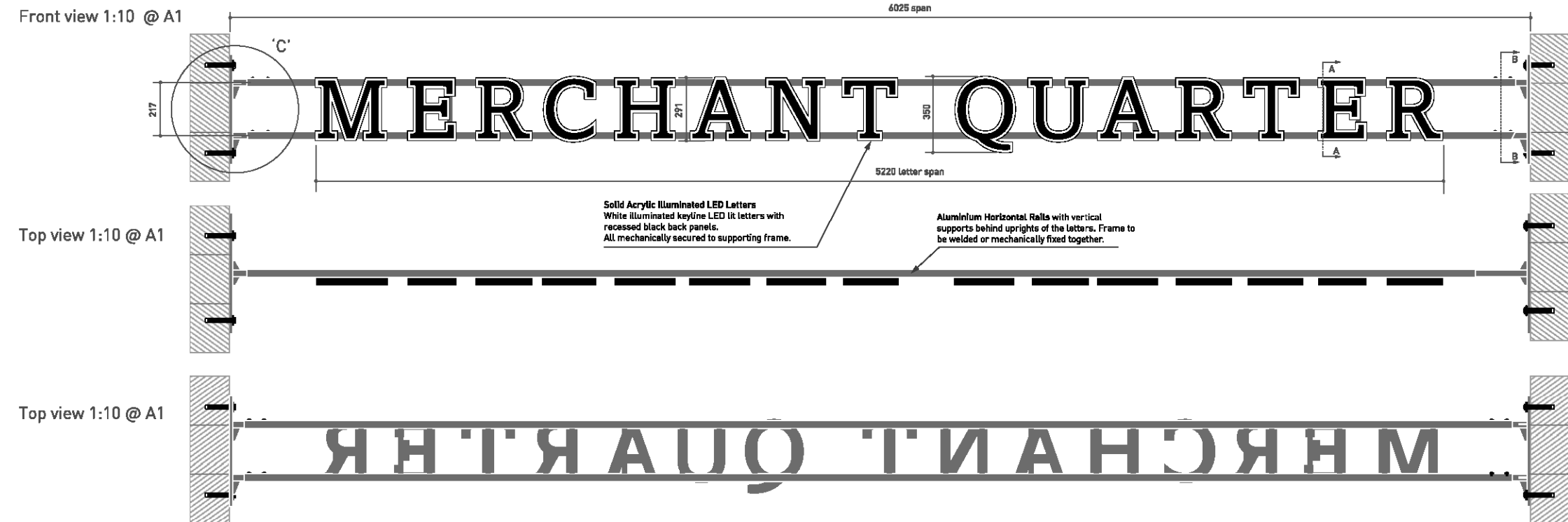
Client name: Aberdeen Inspired / ACC
Project name: Suspended Signs Project
Drawing no: Suspended-Designing
Revision: 2.2
Revision date: 09.03.2021

EXAMPLE DESIGN DRAWING - SMALL SPAN (SUS.04 SHIPROW, NO SUB-TEXT OPTION)

SCALE VARIES
SEE DRAWING

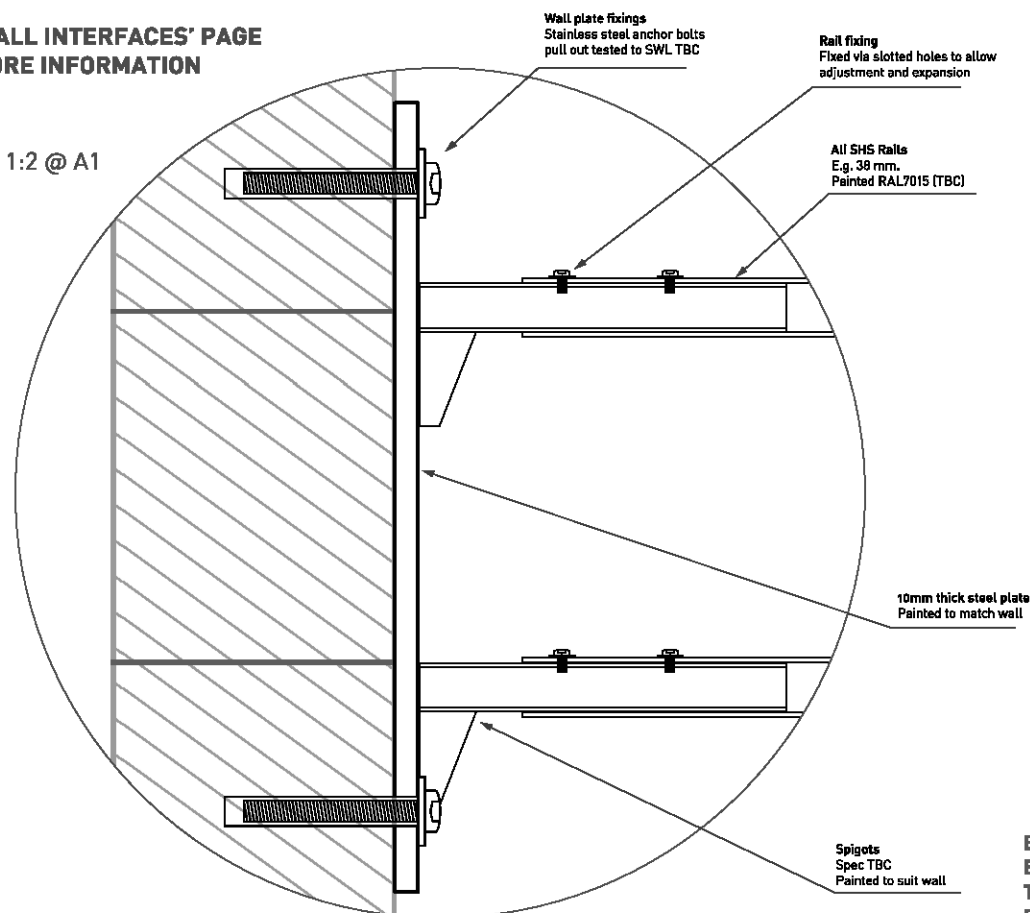
NOTES: POSITIONING OF FIXINGS, SPLAYS AND SAGS ALL TBC, SUBJECT TO GUIDANCE BY DNA (SE)



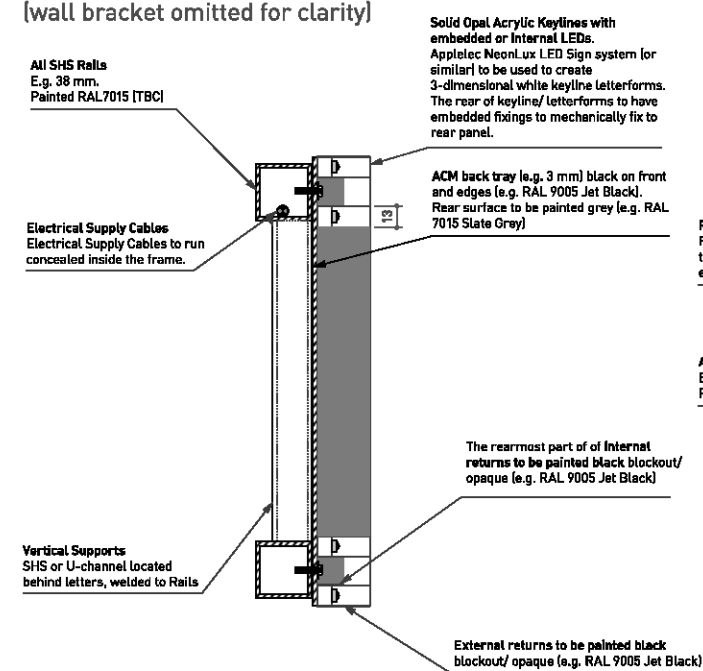


SEE 'WALL INTERFACES' PAGE
FOR MORE INFORMATION

Detail C 1:2 @ A1

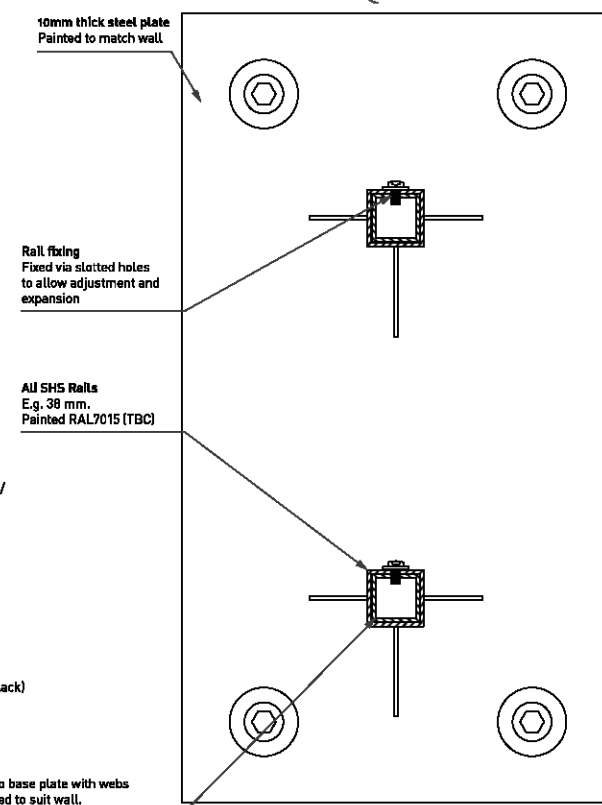


Section: A-A 1:2 @ A1
(wall bracket omitted for clarity)



**BIRD-PROOF WIRE (OR OTHER SUCH
EFFECTIVE BIRD - DETERRENT) TO RUN
THE FULL LENGTH OF ANY HORIZONTAL
FRAME SECTIONS**

Section: B-B 1:2 @ A1



MOMENTUM WAYSHOWING
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Client name: Aberdeen Inspired / ACC
Project name: Suspended Signs Project
Drawing no: Suspended-Drawing
Revision: Version 6
Revision date: 25.02.2021

EXAMPLE DESIGN DRAWING - FRAME MOUNTED [SUS.09]

SCALE VARIES
SEE DRAWING

NOTES:
-

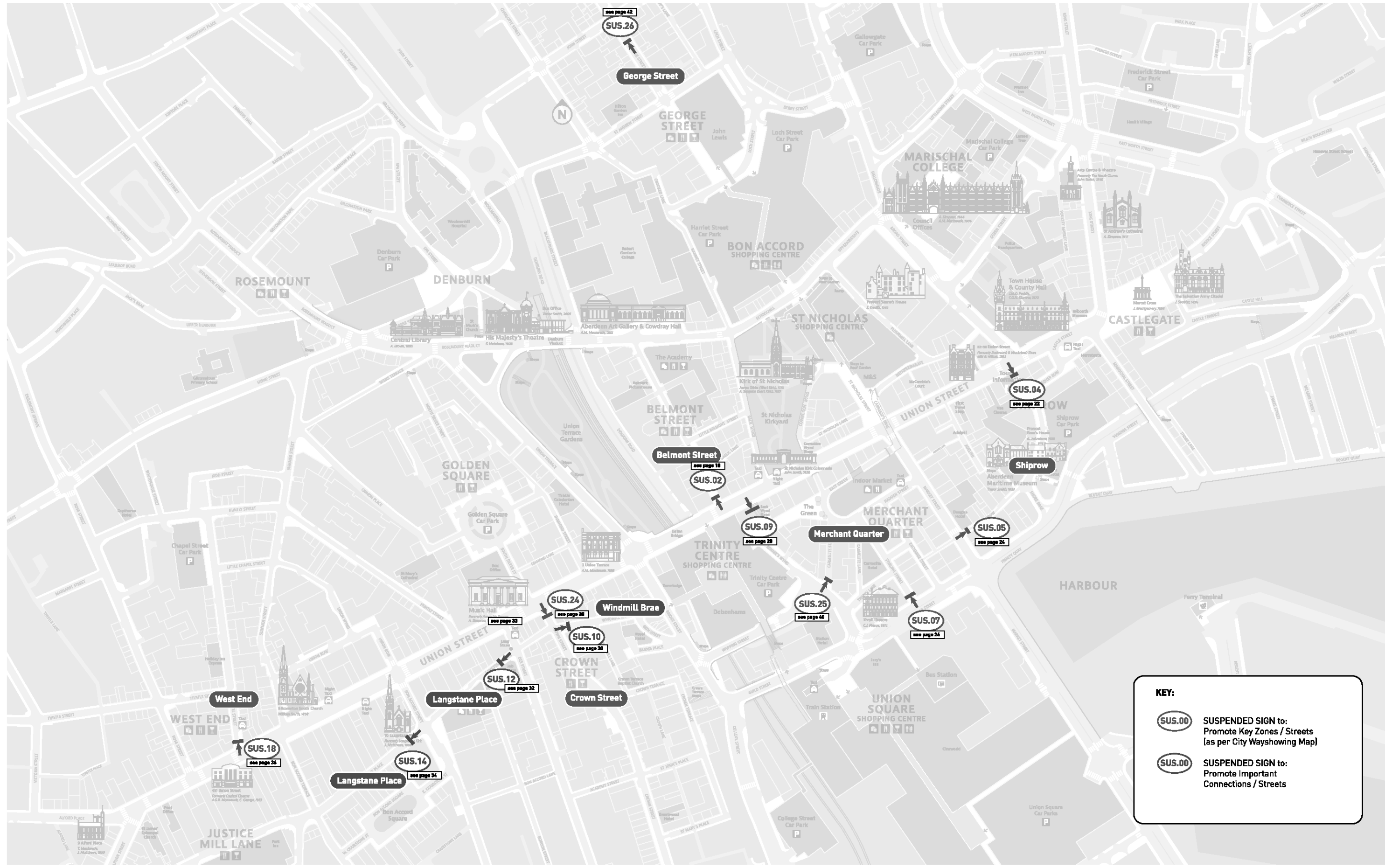
SUSPENDED STREET SIGNS: SCHEME/LOCATION OVERVIEW

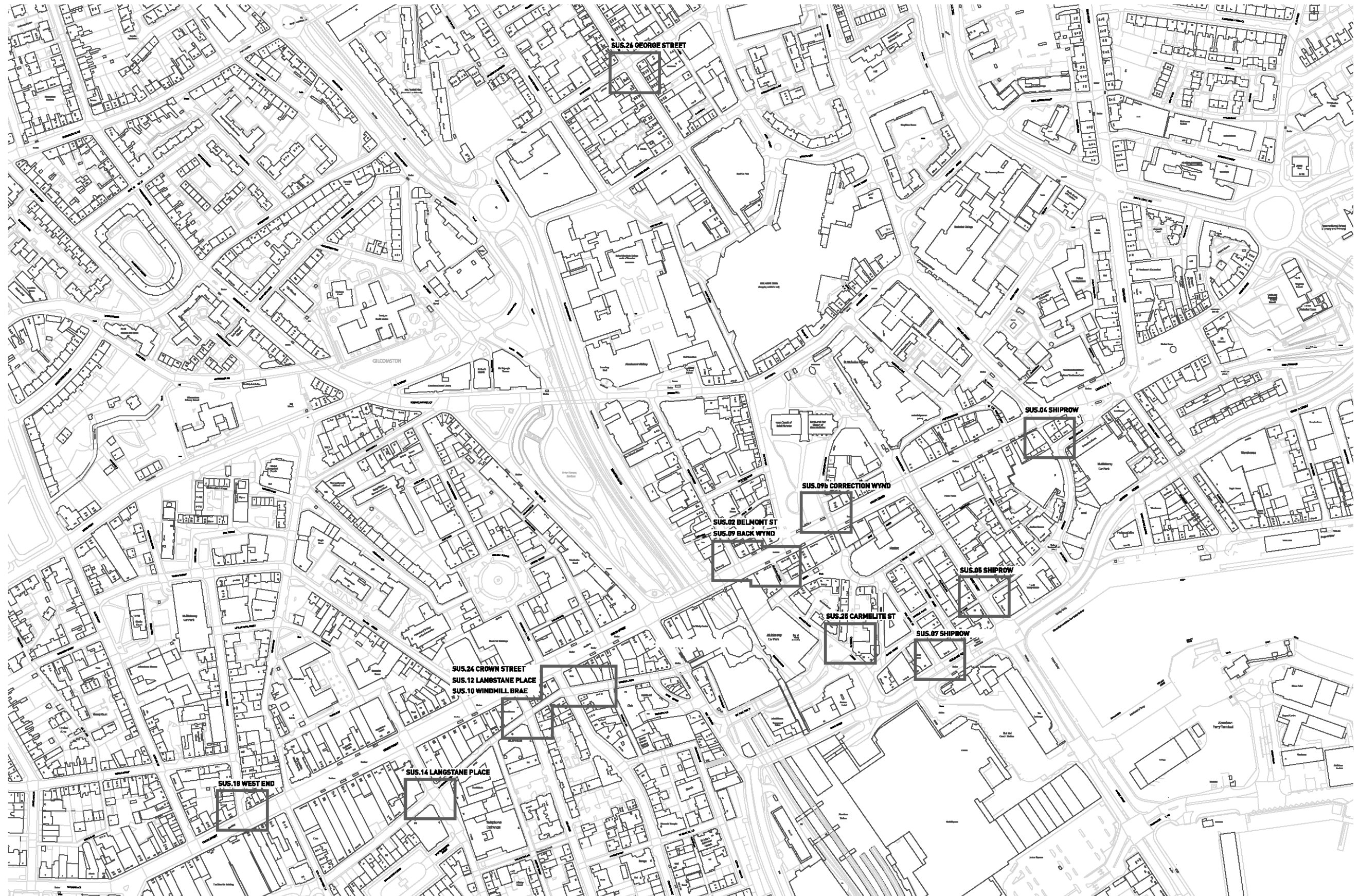
KEY ZONES / STREETS

BELMONT STREET	MERCHANT QUARTER
SUS.02 Belmont St. at Union St. (PAGE 17)	SUS.09 Back Wynd Steps at Union St. (PAGE 27)
SHIPROW LEADING TO MARITIME MUSEUM	WEST END
SUS.04 Shiprow at Union St. (PAGE 21)	SUS.18 Chapel St.at Union St. (PAGE 37)
SHIPROW LEADING TO MARITIME MUSEUM	CROWN STREET
SUS.05 Shiprow at Market St. (PAGE 23)	SUS.24 Crown St. at Union St. (PAGE 39)
MERCHANT QUARTER	MERCHANT QUARTER
SUS.07 Stirling St. at Guild St. (PAGE 25)	SUS.25 Carmelite St. at Wapping St. (PAGE 41)
	GEORGE STREET
	SUS.26 George St. at John St. (PAGE 43)

KEY CONNECTIONS

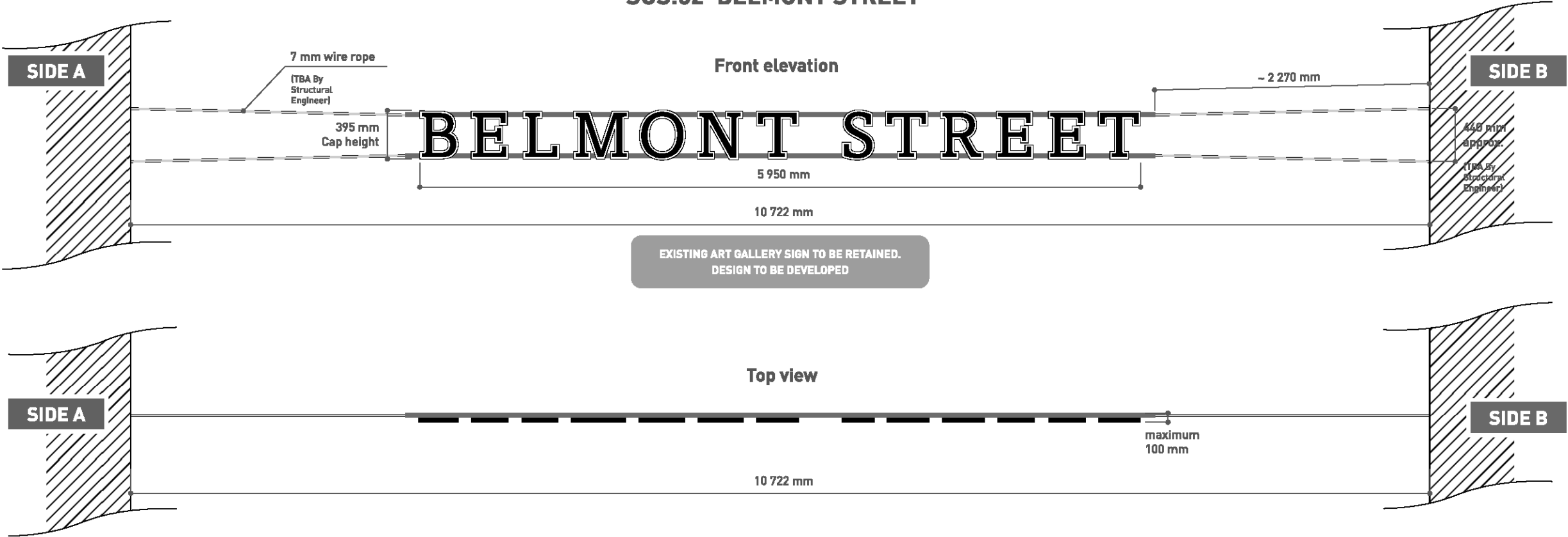
WINDMILL BRAE
SUS.10 Windmill Brae at Bridge St. (PAGE 29)
LANGSTANE PLACE LEADING TO JUSTICE MILL LANE
SUS.12 Langstane Place at Dee St. (PAGE 31)
LANGSTANE PLACE LEADING TO JUSTICE MILL LANE
SUS.14 Langstane Place at Bon Accord St. (PAGE 35)





SUSPENDED STREET SIGNS: LOCATION DRAWINGS & POSITIONING

SUS.02 'BELMONT STREET'



SIGN LOCATION PLAN - SCALE 1:500 @ A3



- One of the city's best independent retail and leisure streets (plus markets)
- A great connective route to Schoolhill, Upperkirkgate, Rosemount Viaduct
- Suspended sign omitted (as requested) from the North end of Belmont St
- Positioned to avoid impacting the vista of Aberdeen Art Gallery
- No need for "Leading To" message due to existing Suspended Art Gallery Sign
- Located to avoid visual conflict with the existing sign
- Impact of Festive Lighting in this location to be considered and agreed
- Engineer to confirm all fixing specifications and positions
- Splays of wires are subject to fixing position locations