

CAMLEY STREET BRIDGE

KINGS CROSS CENTRAL

Applied Landscape Design

Materials Tracker to Discharge:

Reserved matter conditions 6a, b, c & d
Camley Street Bridge
Kings Cross Central 2016/0288/P

ALD Project Ref:	697
Document Ref:	ALD697_RP901
Document Revision:	P01
Current Issue Date:	02.12.2016
ALD working date:	02.12.2016
Reason For Issue:	Approval

Prepared By: Applied Landscape Design Ltd
Landscape Architect

Client: Carillion



INTRODUCTION

This document has been prepared to discharge the following planning conditions as highlighted below:





Under application 2016/0288/P, Camley Street Bridge, Kings Cross Central





CONDITION	DETAILS OF CONDITION	NOTES
6	Prior to commencement of the relevant part of the development hereby approved, the following details shall be submitted to and approved in writing by the Local Planning Authority:	
(a)	Details including sample panels of all external materials and finishes. The material under this condition shall be displayed in the form of a samples board to be retained on site for the duration of the relevant works	Information included in this document: refer to items 4-8
(b)	Details including sample panels of hard landscape surface treatments. The samples to demonstrate all materials and typical variations of pattern relationships within those materials	Information included within this document: refer to items 1-3
(c)	Details of proposed CCTV masts	Information included within this document Refer to Appendix 2
(d)	Details of lighting within the public realm, to include location, design, specification, fittings & fixtures	Information included within this document: Refer to items 9 - 10

NOTE: details of the ramp and bridge deck surfacing to be submitted as separate package

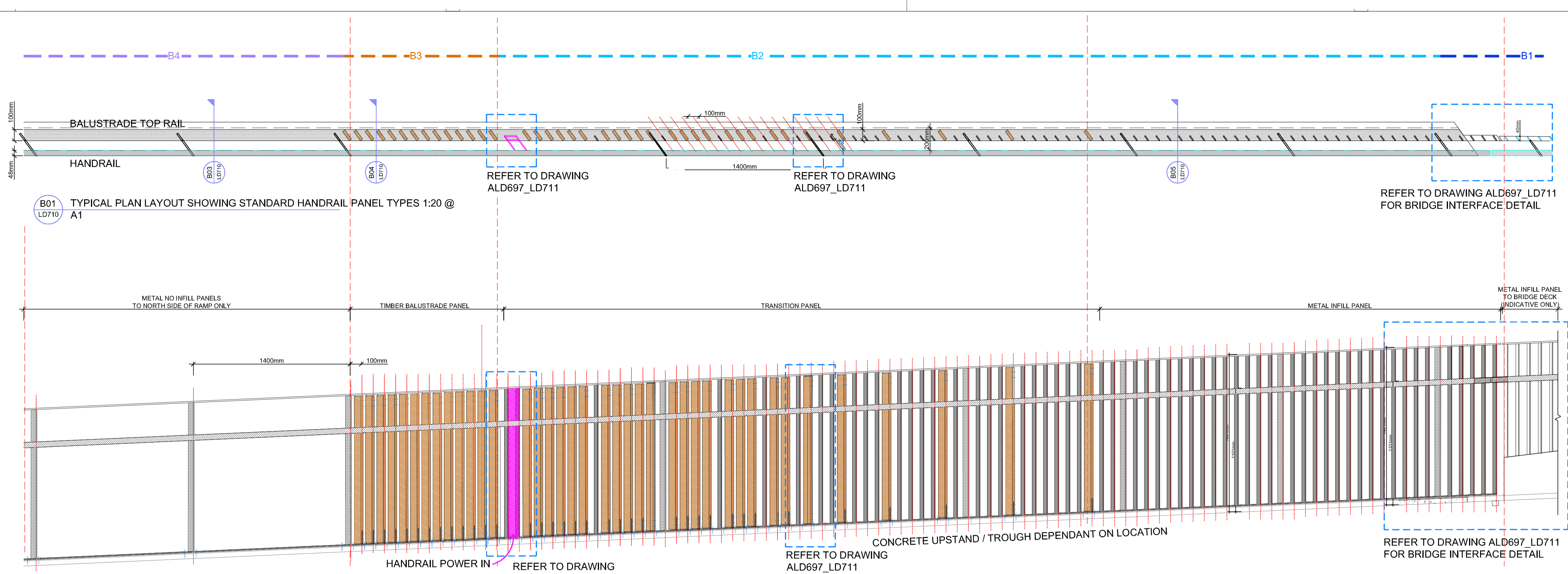
NOTE: Refer to drawing ALD697_GA001 for landscape layout

EXTERNAL MATERIALS

Material REF.	Material Details	Location	Detail drawing number	Supplier	Photo	Location example
HARD LANDSCAPE MATERIALS						
1	Ramp & bridge deck surfacing: Details to be submitted as part of separate application	-	-	-	-	-
2	<u>Hazard warning paving:</u> Millennium Mauve granite corduroy paving units. 400mm length x 400mm width x 50mm depth	Camley Street Ramp Entrance	ALD697_GA001	Miller Druck	 Image above denotes granite colour only - finish & size as per details listed adjacent	Cubitt Square
3	<u>Cycle sign:</u> 450mm x 450mm x 50mm depth finish Appalachian slab with inlaid and painted cycle symbol	Camley Street Ramp Entrance	ALD697_GA001	Charcon		Wharf Road
4	<u>Gabion Clad Wall:</u> PVC-zinc coated mesh gabion with 'Kent Ragstone' stone fill dimensions as per detailed drawings	West abutment cladding	ALD697_GA001 ALD697_LD720 - ALD697_LD721 Refer to Appendix 4 for Enviromesh info. sheet '3.8-4.3mm PVC'	Enviromesh		Sample board on site
FENCING						
5	<u>Fencing:</u> Athena 2.4m high standard fencing panels	North boundary	ALD697_GA001	Heras	 Standard fencing panel image	Kings Cross Skip Garden

Material REF.	Material Details	Location	Detail drawing number	Supplier	Photo	Location example
HANDRAILS & BALUSTRADES						
6	<p><u>Bridge deck balustrade (including gate):</u> Stainless steel balustrade with stainless steel uprights, top rail, and handrail with integrated lighting.</p> <p>Stainless Steel: Grade 316, Finish - DPI 240 Grit</p>	To Camley Street Bridge deck	ALD697_GA001 ALD697_LD751 KX_MOX_A_BR3-3016 Refer to Appendix 3 for lighting data sheet	SH structures (balustrade) LTP Lighting Integration Ltd (handrail & lighting)	 Image above shows indicative stainless steel balustrade with DPI 240 Grit finish	Sample board on site
7	<p><u>Ramp balustrade (including gate):</u> Stainless steel / timber balustrade uprights (dependant on location) with stainless steel handrail and integrated lighting.</p> <p>Timber: Preweathered Ekki D40, Finish - planed machines</p> <p>Stainless Steel: Grade 316 Finish - DPI 240 Grit</p>	To Camley Street ramp - for different upright / balustrade types refer to drawing ALD697P_GA001	ALD697_GA001 ALD697_LD710 - LD711 Refer to Appendix 3 for lighting data sheet	SH structures (balustrade) LTP Lighting Integration Ltd (handrail & lighting)	 Image above indicative of timber colour only  Image above shows indicative stainless steel balustrade with DPI 240 Grit finish	Sample board on site
BRIDGE STRUCTURE						
8	<p><u>Trough stiffener:</u> Painted mild steel trough stiffener ribs MIO paint Colour: Dark grey</p>	To Camley Street Bridge Structure	KXC-SHS-BR3-4686-G3	SH structures	 Image above shows paint in sun and shade and is indicative only - colour may vary from above dependant on light conditions	Sample board on site
LIGHTING						
9	<p><u>Handrail Lighting:</u> Product: Pictor LED</p>	Fixed within Camley Street bridge and ramp handrail	Refer to Appendix 3 for lighting data sheet	LTP Lighting Integration Ltd		
10	<p><u>Bollard Lighting:</u> Product: TOPA 100</p>	To base of Camley Street Ramp	Refer to Appendix 3 for lighting data sheet	B.lux		

APPENDIX 1 - DETAILS

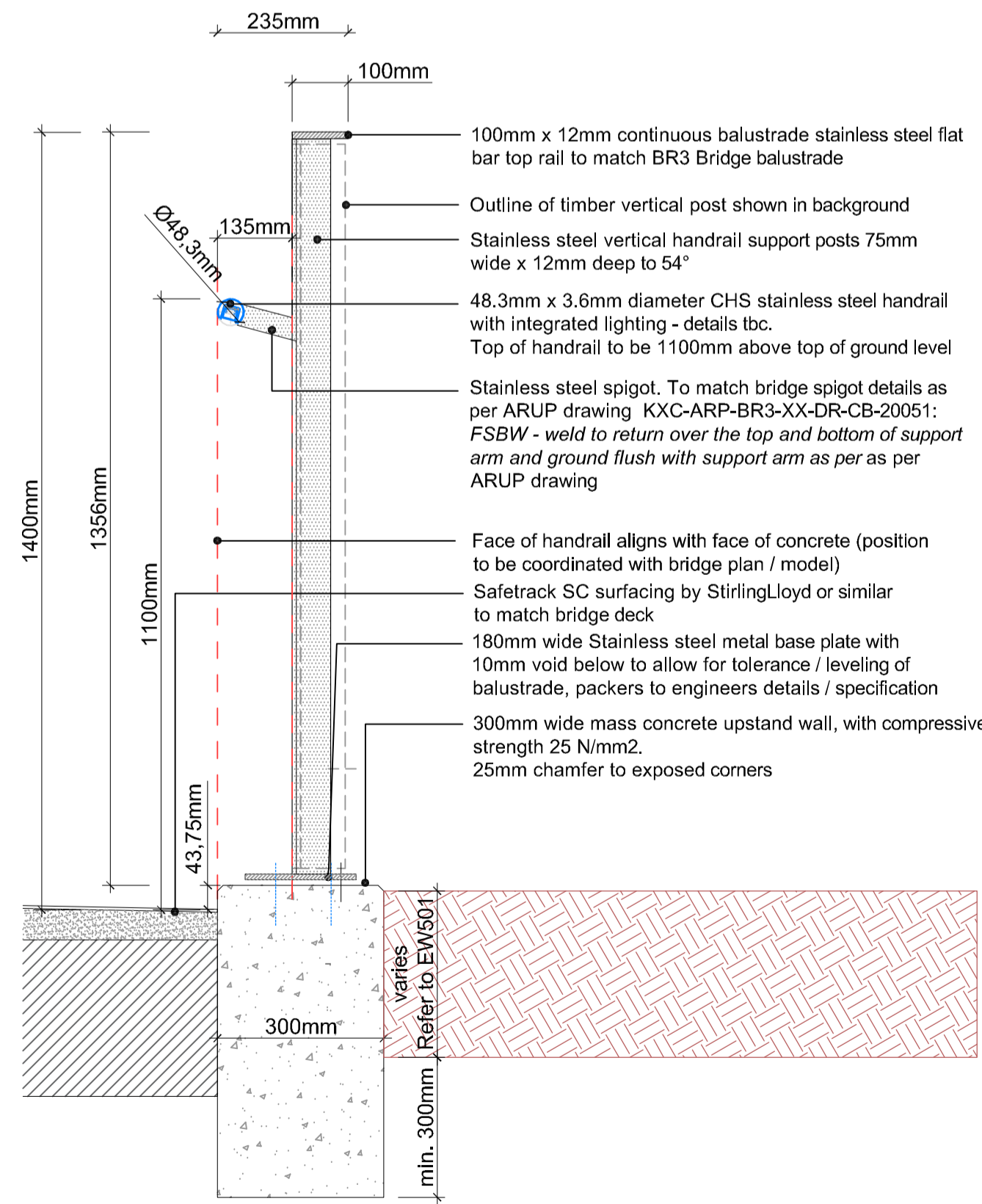


B01 TYPICAL PLAN LAYOUT SHOWING STANDARD HANDRAIL PANEL TYPES 1:20 @ A1

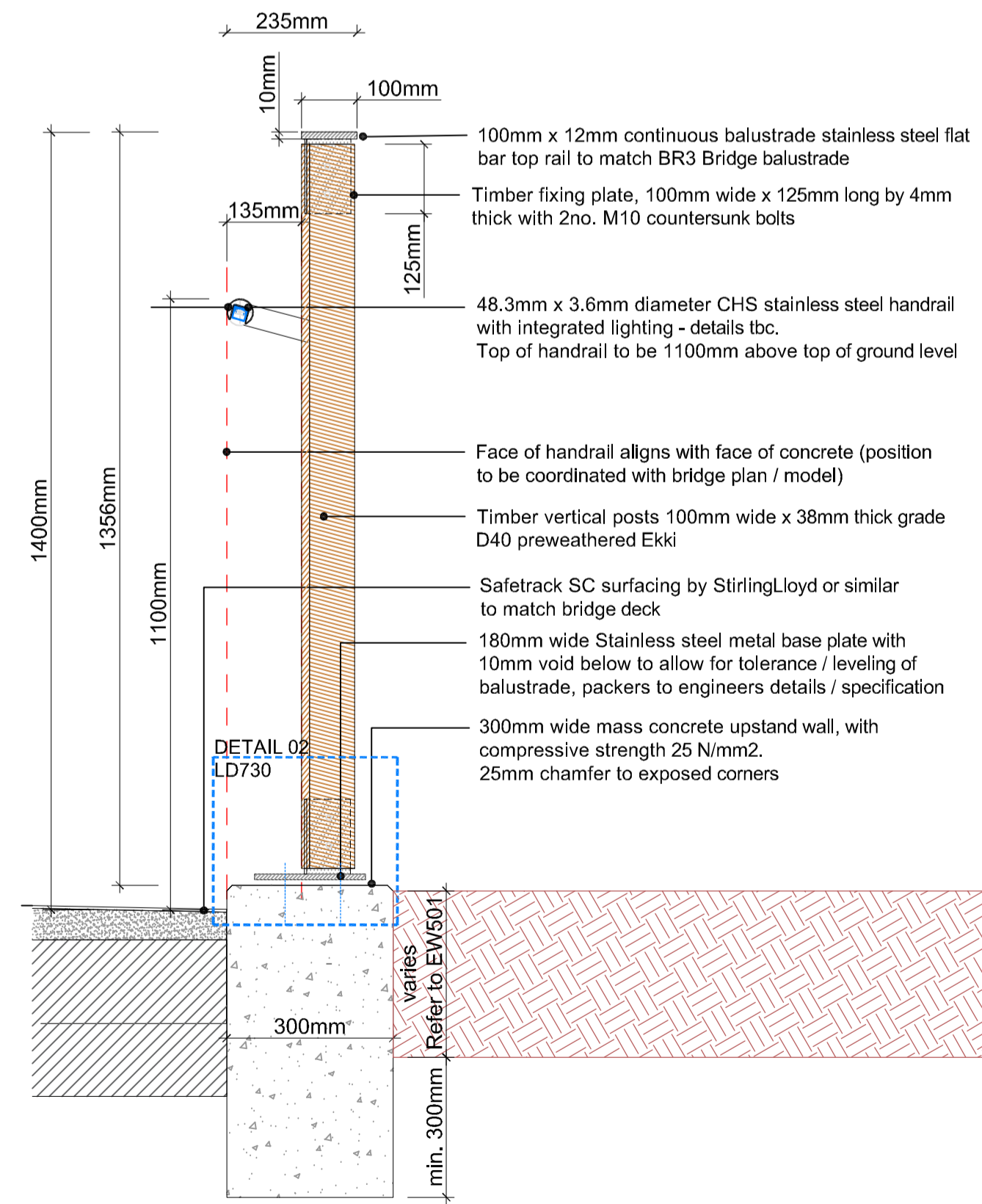


B02 TYPICAL ELEVATION SHOWING STANDARD HANDRAIL PANEL TYPES 1:20 @ A1

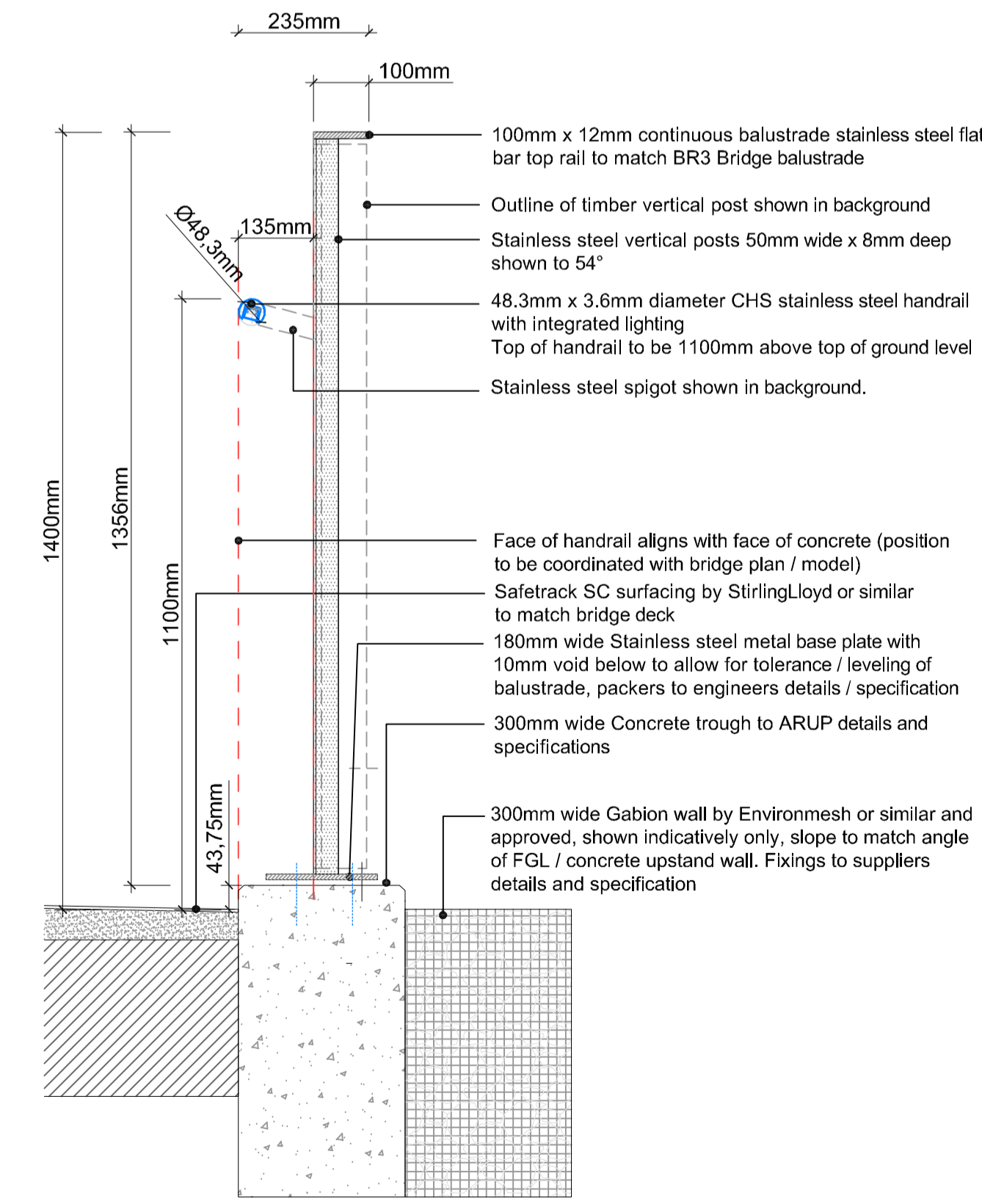
- NOTE:**
- Drawing shows short sections of fence panels
 - Slope to top of concrete / top of balustrade varies dependant on location
 - Details subject to mockup approval
 - Details to be developed by fabricator
 - Handrail to incorporate integrated lighting



B03 TYPICAL SECTION THROUGH HANDRAIL SUPPORT UPRIGHT (WHEN IN METAL UPRIGHT SECTIONS) 1:10 @ A1



B04 TYPICAL SECTION THROUGH TIMBER UPRIGHT 1:10 @ A1



B05 TYPICAL SECTION THROUGH METAL UPRIGHT 1:10 @ A1

All dimensions to be verified on site. Figured dimensions to take precedence to those scaled. Any areas indicated on this drawing are for guidance only, no responsibility is taken for their accuracy.
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CDM/H&S:
The works illustrated on this drawing have been reviewed against the Design CDM Risk Register and significant risks are noted as:
Construction:
• Handling heavy materials
• Working at height / risk of falls
• Working adjacent to canal
Maintenance:
• Working adjacent to canal
Demolition:

NOTES / KEY:

REFERENCE DRAWINGS/DOCUMENTS

ALD697_LD711	Balustrade / Handrail details
ALD697_HL121	Detailed Plan Layout Handrails / Balustrades
ALD697_HL120	Fence and Enclosure Layout

REVISIONS

no.	issued	date
P01	First Issue for approval	02.12.2016

CLIENT:



LANDSCAPE ARCHITECT:
The Threshing Barn
Bignell Park Barns
Cheshamilton, Nr. Bicester
Oxfordshire, OX26 1TD
Tel: 01869 249776
Email: mail@appliedlandscape.co.uk



PROJECT:

**CAMLEY STREET BRIDGE
KINGS CROSS CENTRAL**

DRAWING TITLE:

**TYPICAL DETAILS
BALUSTRADE / HANDRAILS**

drawn:	scale:
CW	AS @ A1
checked:	status:
KmJ	Planning
date:	xref file ref:
15.11.2015	ALD697_LDbase
PROJECT NO.	DRAWING NUMBER:
ALD697	LD710
	REVISION:
	P01

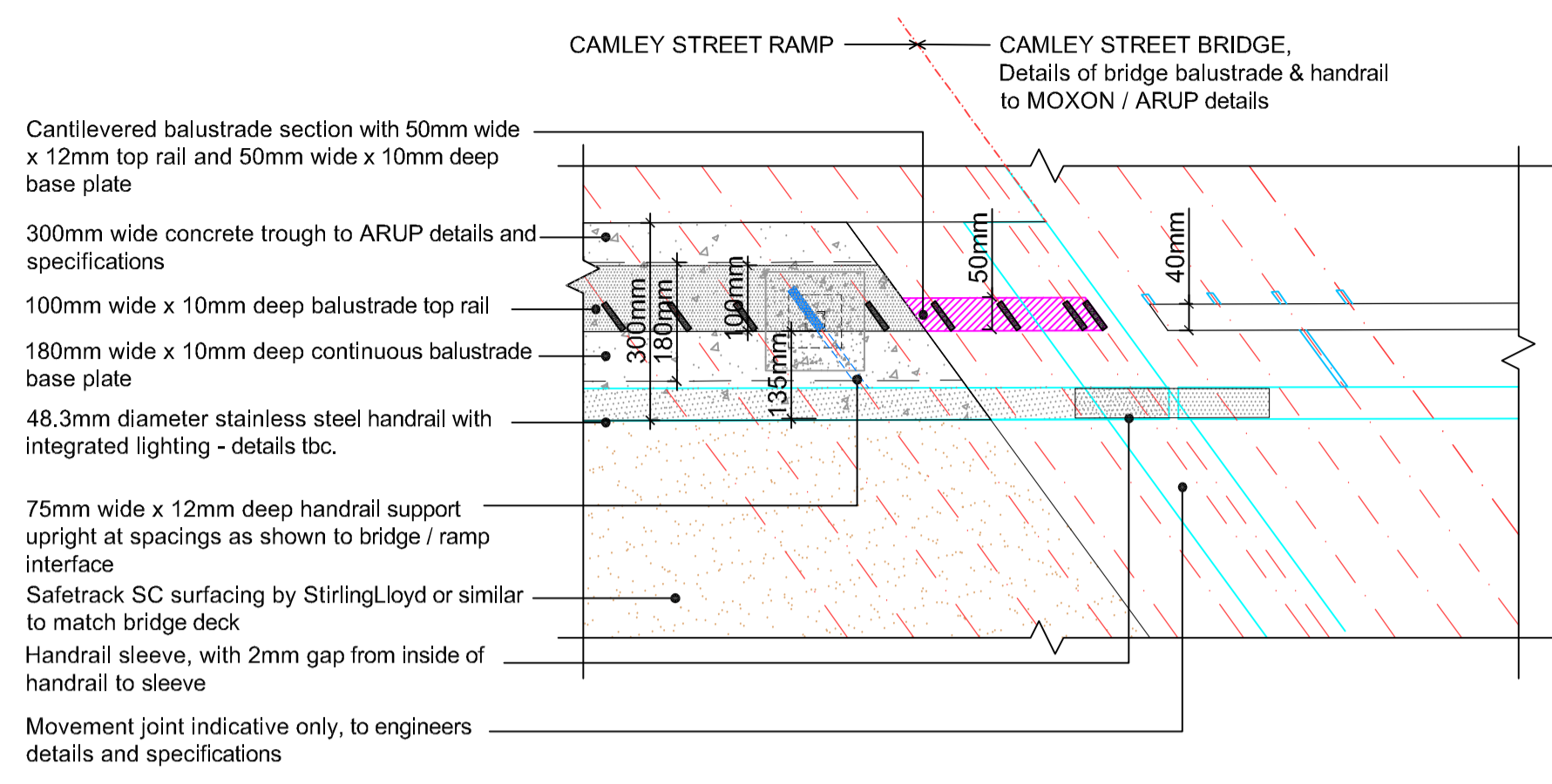
All dimensions to be verified on site. Figured dimensions to take precedence to those scaled. Any areas indicated on this drawing are for guidance only, no responsibility is taken for their accuracy.
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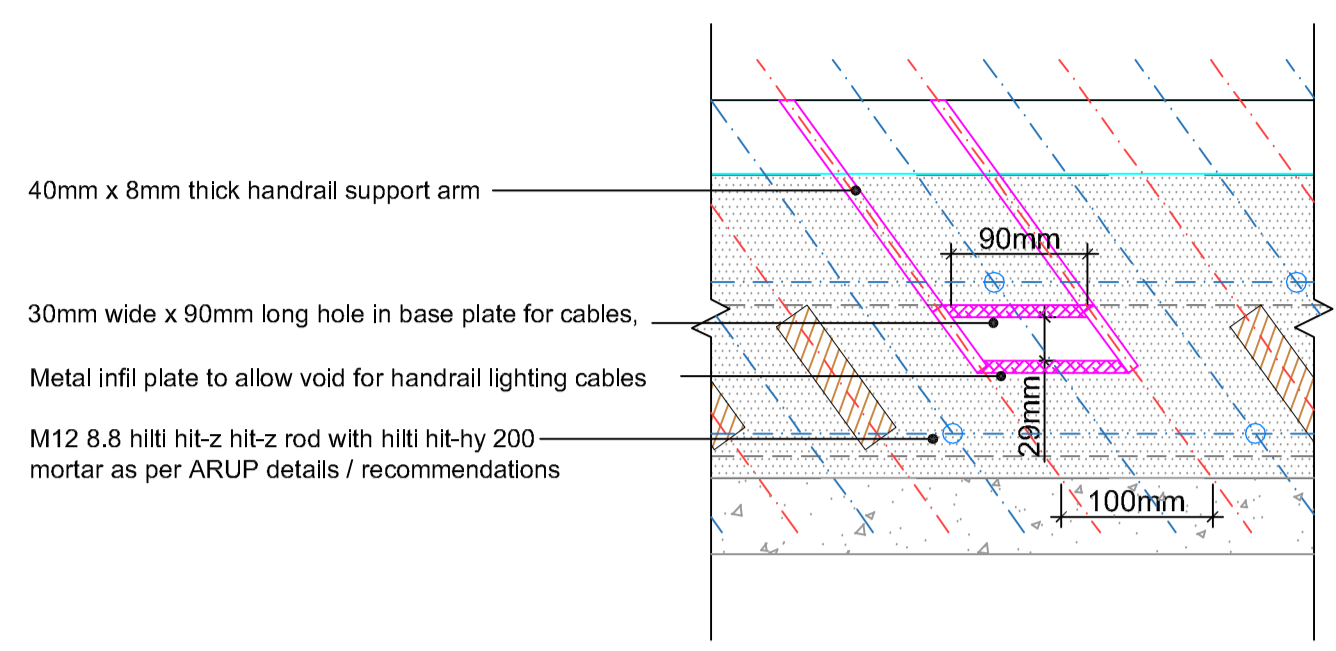
CDM/H&S:
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 - Working adjacent to canal
- Maintenance:
- Working adjacent to canal
- Demolition:

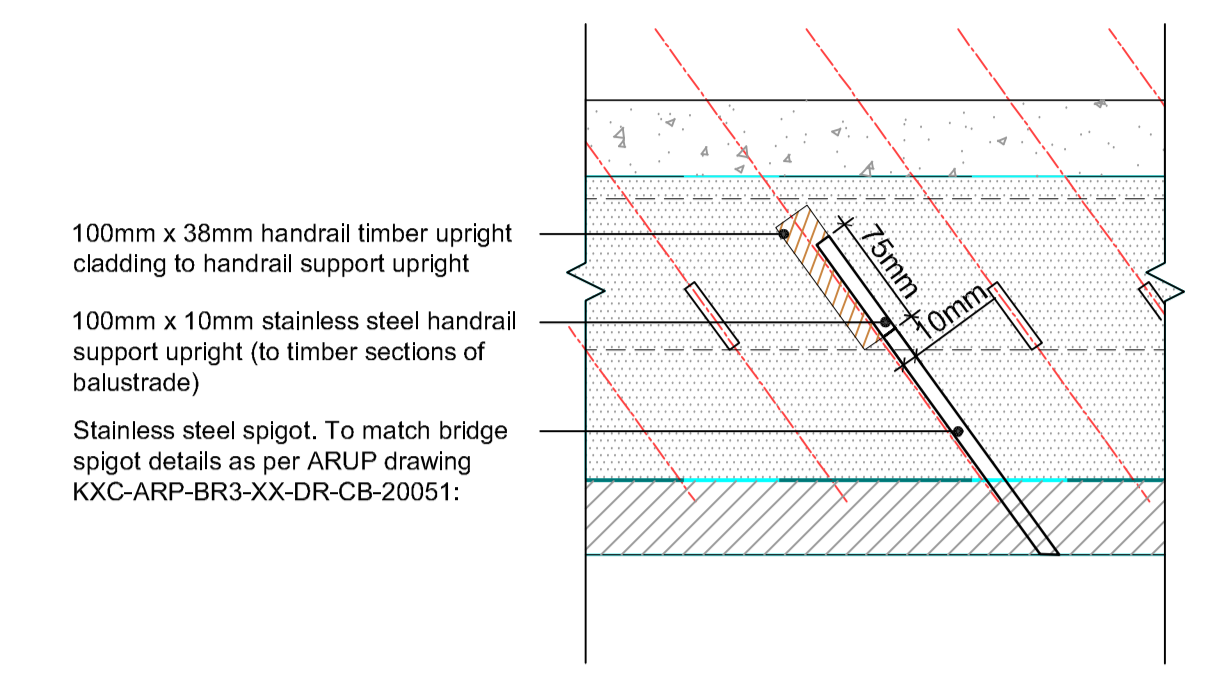
NOTES / KEY:



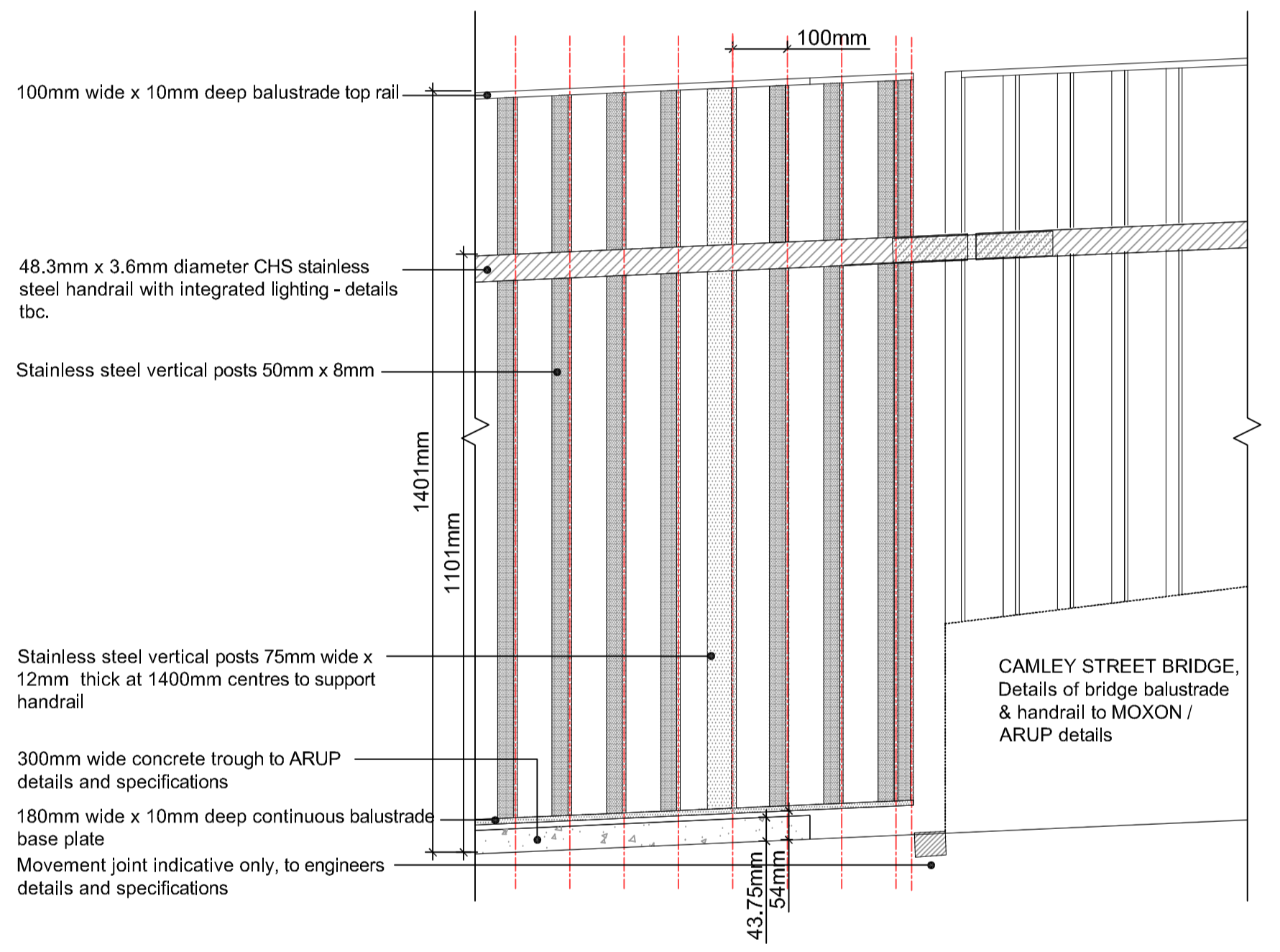
B10 PLAN LAYOUT SHOWING BALUSTRADE INTERFACE WITH BRIDGE
 LD711 1:10 @ A1



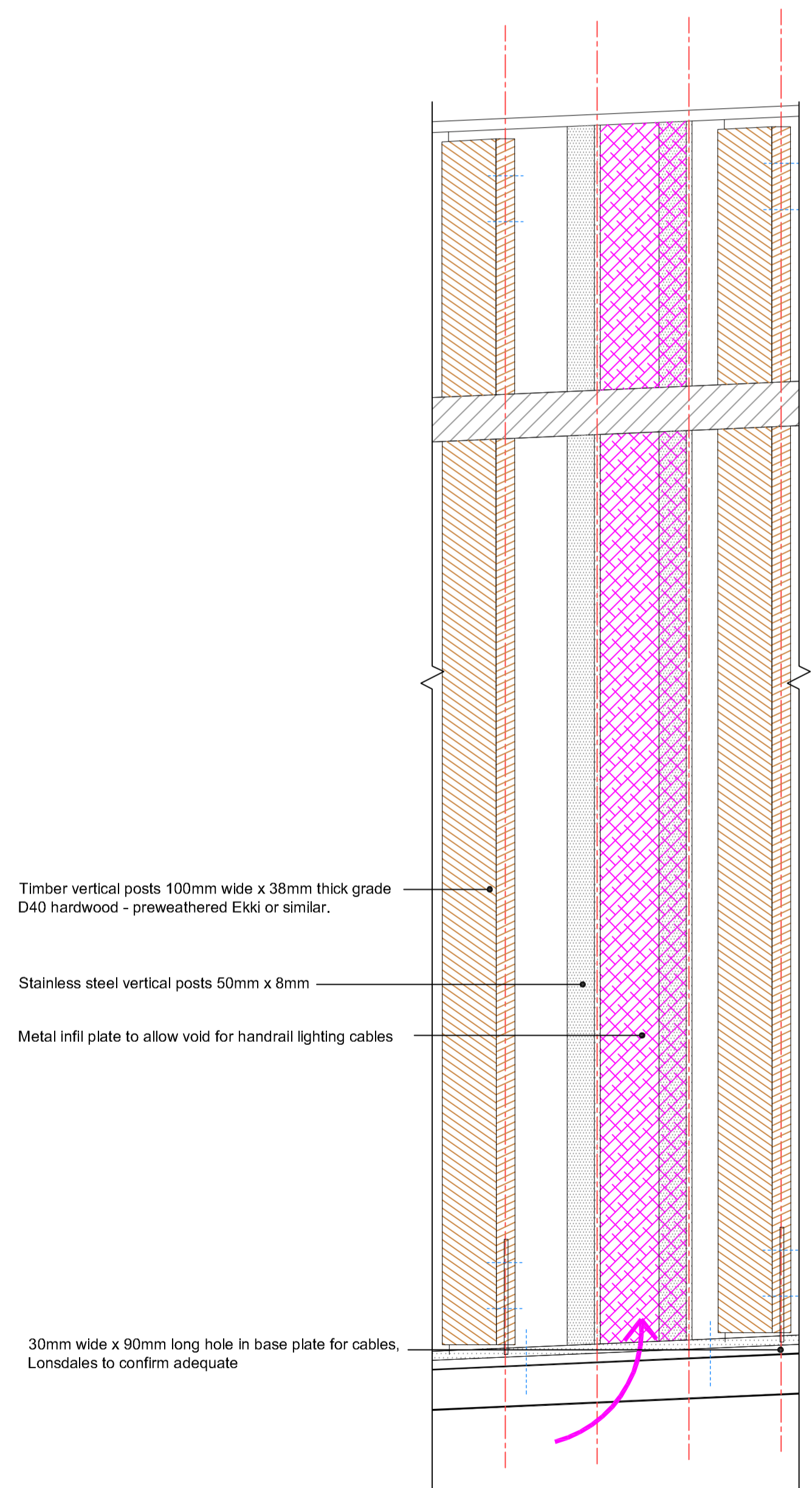
B12 PLAN LAYOUT SHOWING DOUBLE METAL UPRIGHT WITH INFILL FOR CABLES
 LD711 1:5 @ A1



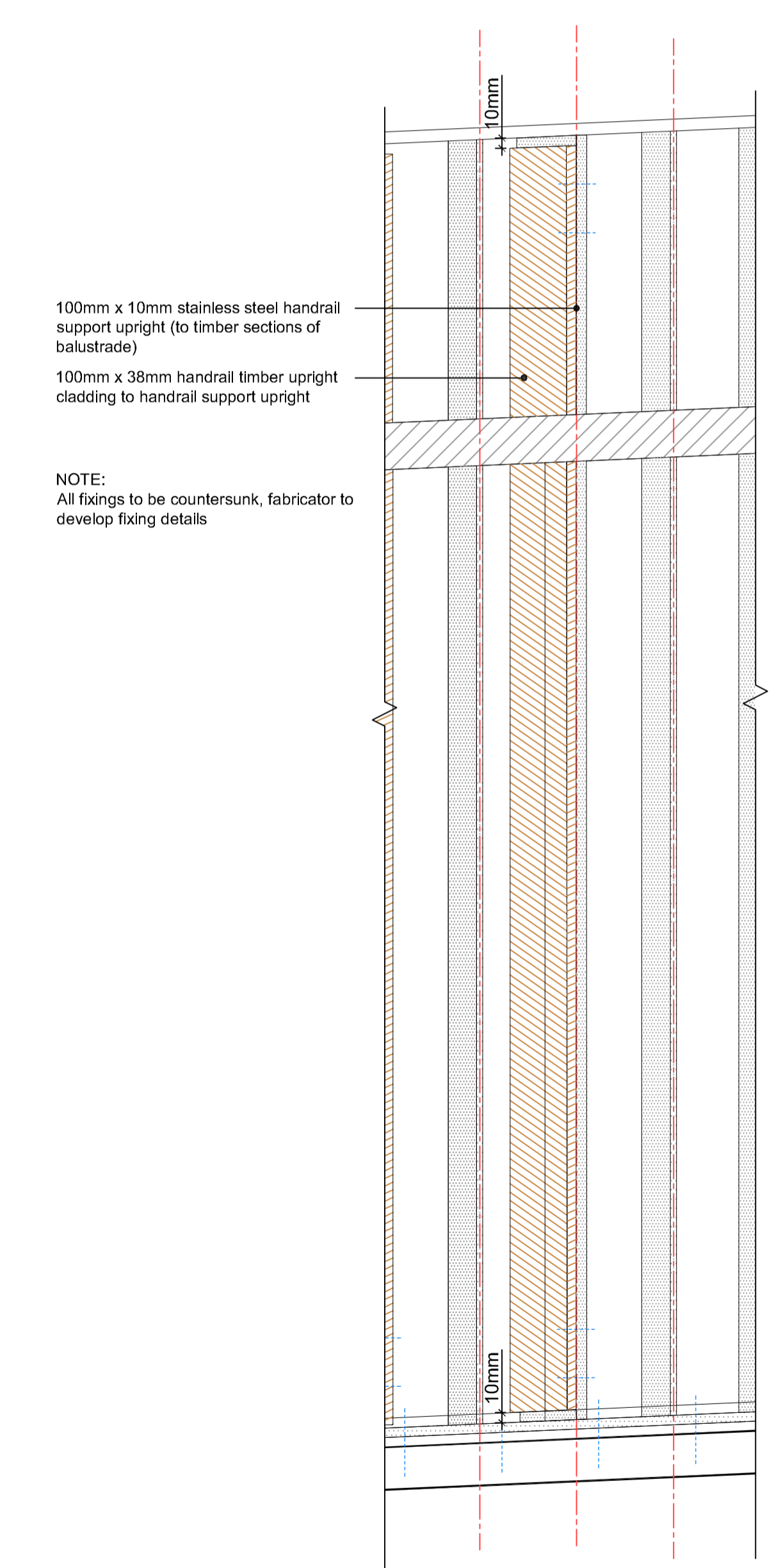
B14 PLAN LAYOUT SHOWING TIMBER CLAD HANDRAIL SUPPORT
 LD711 1:5 @ A1



B11 ELEVATION SHOWING SAMPLE PANEL BALUSTRADE DETAILS
 LD711 1:10 @ A1



B13 ELEVATION SHOWING METAL INFILL FOR POWER
 LD711 1:5 @ A1



B15 ELEVATION SHOWING TIMBER CLAD HANDRAIL SUPPORT
 LD711 1:5 @ A1

REFERENCE DRAWINGS/DOCUMENTS

REVISIONS

P01	Issue for approval	02.12.2016
no.	issued	date

CLIENT:



LANDSCAPE ARCHITECT:
 The Threshing Barn
 Bignell Park Barns
 Chesterton, Nr. Blisworth
 Oxfordshire, OX26 1TD
 Tel: 01859 249776
 Email: mail@appliedlandscape.co.uk
ALD
 applied landscape design

PROJECT:

**CAMLEY STREET BRIDGE
 KINGS CROSS CENTRAL**

DRAWING TITLE:

**BALUSTRADE / HANDRAILS
 BRIDGE INTERFACE &
 HANDRAIL POWER & SUPPORT POST**

drawn: CW	scale: AS @ A1
checked: KmJ	status: Planning
date: 02.08.2016	xref file ref: ALD697_LDbase
PROJECT NO. ALD697	REVISION: LD711 P01

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CDM/H&S:
 The works illustrated on this drawing have been reviewed against the Design CDM Risk Register and significant risks are noted as:

- Construction:
- Handling heavy materials
 - Working at height / risk of falls
 - Working adjacent to canal
- Maintenance:
- Working adjacent to canal
- Demolition:

NOTES / KEY:

- NOTE:
- All metalwork, dimensions, fixings and finishes to manufacturers recommendations / details
 - Drawing indicative only to show gate intent, to be developed by fabricator
 - all dimensions to be checked / confirmed on site once bridge is installed
 - Bridge structure indicative only.
 - Gate bollards / posts to be fixed to bridge structure

MATERIALS SUMMARY:

The below notes have been extracted from Moxon's drawing KX_MOX_A_BR3_3015

'All stainless steel to be Lean Duplex grade 1.4162 (LDX2101). All welds to be ground smooth and finished to match adjacent surfaces.
 All sharp edges to be radiused to nom. 1mm to prevent injury
 All surfaces shall be shot peened to achieve a consistent and uniform finish with a surface roughness Ra value of <math>< 0.5 \mu\text{m}</math>. The shot peening media shall comply with AMS 2430 and be stainless steel, glass or ceramic. The finish shall be equivalent to Paentex F174 Grade by Metal Improvement Company. All stainless steel finishing shall take place in a controlled workshop environment after fabrication and weld cleaning.
 All painted mild steel surfaces shall feature a 'dark grey / anthracite' coloured high build epoxy MIO (micaceous Iron Oxide) finish.
 All visible and accessible fixings to be countersunk stainless steel security fixings unless noted otherwise.'

REFERENCE DRAWINGS/DOCUMENTS

ALD697_HL101	Hard Landscape Layout, Camley Street Ramp
ALD697_HL102	Hard Landscape Layout, Bridge Deck
ALD697_HL120	Fence and Enclosure Layout

REVISIONS

no.	issued	date
P01	Issue for approval	02.12.2016

CLIENT:



LANDSCAPE ARCHITECT:
 The Threshing Barn
 Bignell Park Barns
 Chesterton, Nr. Bosworth
 Oxfordshire, OX26 1TD
 Tel: 01859 249776
 Email: mail@appliedlandscape.co.uk
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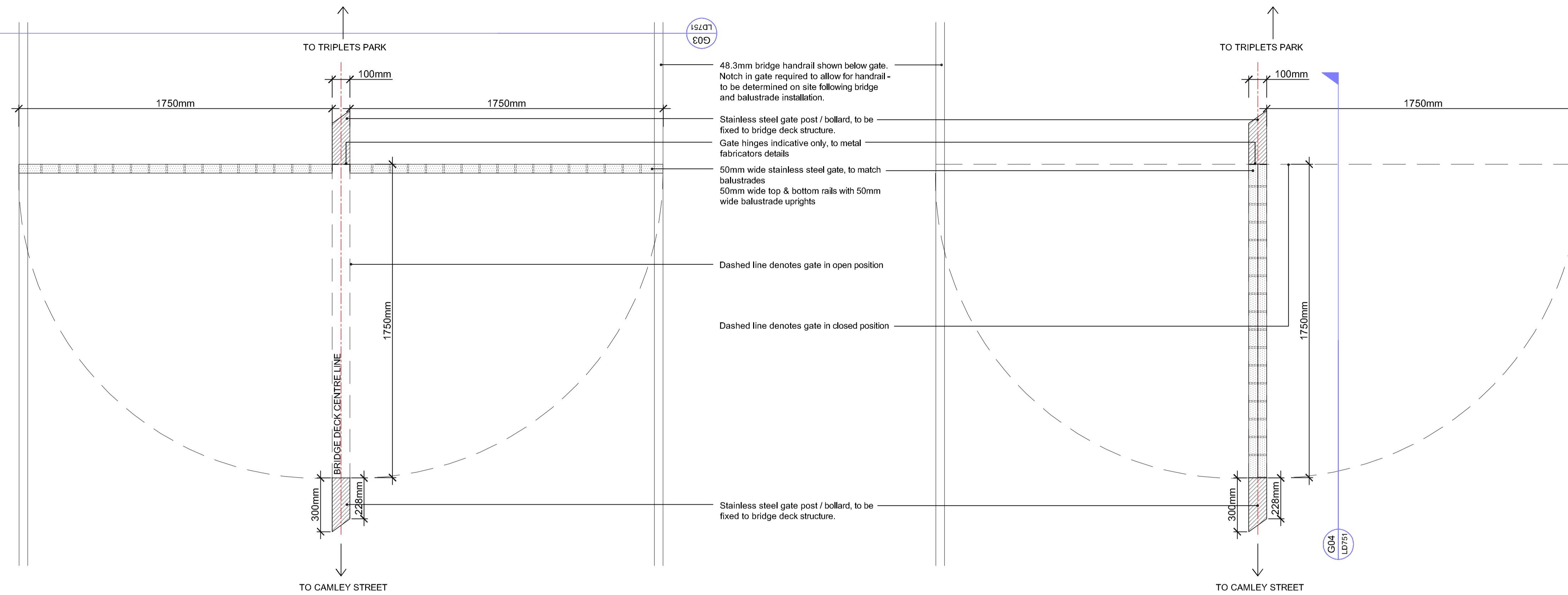
PROJECT:

**CAMLEY STREET BRIDGE
 KINGS CROSS CENTRAL**

DRAWING TITLE:

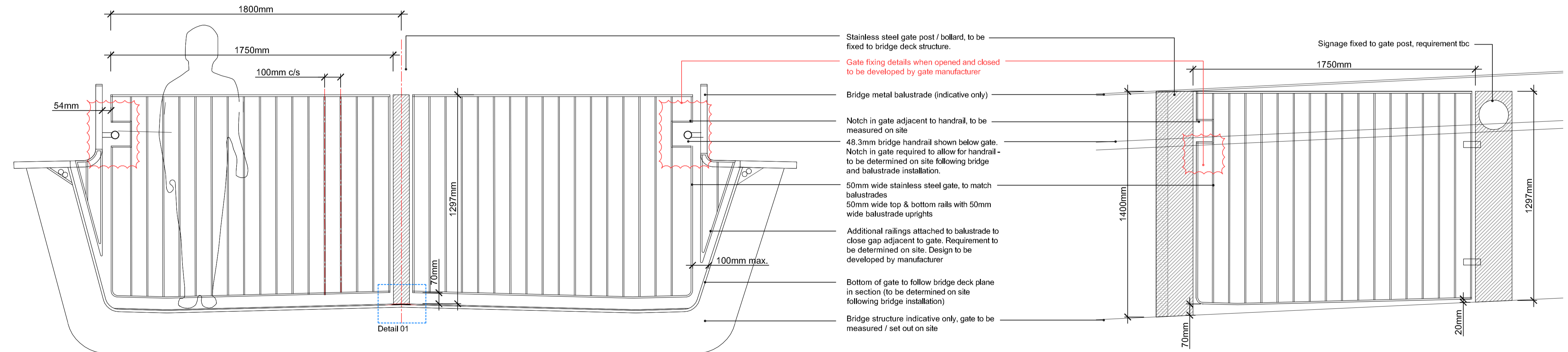
**METAL GATE ON BRIDGE
 PLAN LAYOUT & ELEVATIONS**

drawn:	scale:	
CW	1:15 @ A1	
checked:	status:	
KmJ	Planning	
date:	xref file ref:	
25.06.2016	ALD697_LDbase	
PROJECT NO.	DRAWING NUMBER:	REVISION:
ALD697	LD751	P01



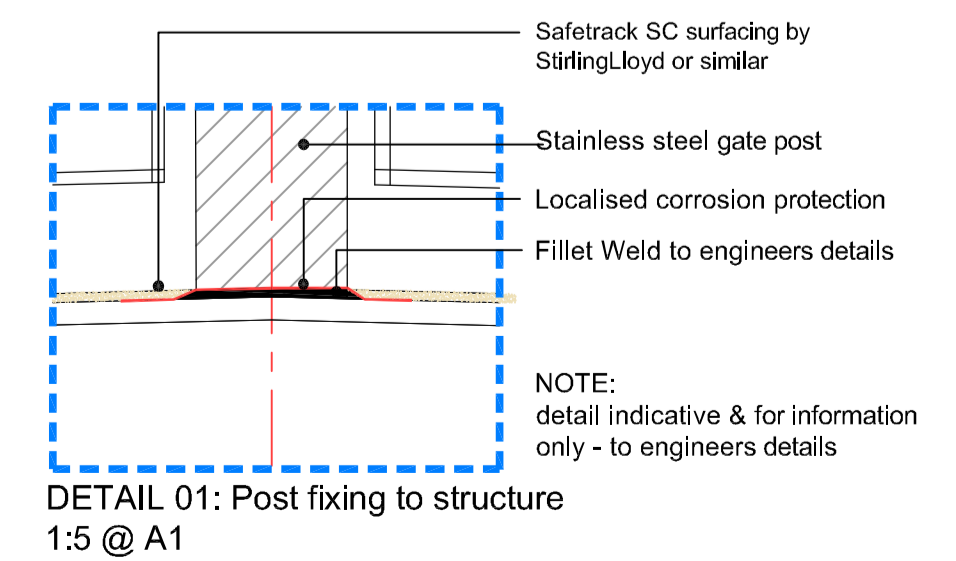
G01 PLAN LAYOUT SHOWING CAMLEY STREET BRIDGE GATE WHEN CLOSED
 1:15 @ A1

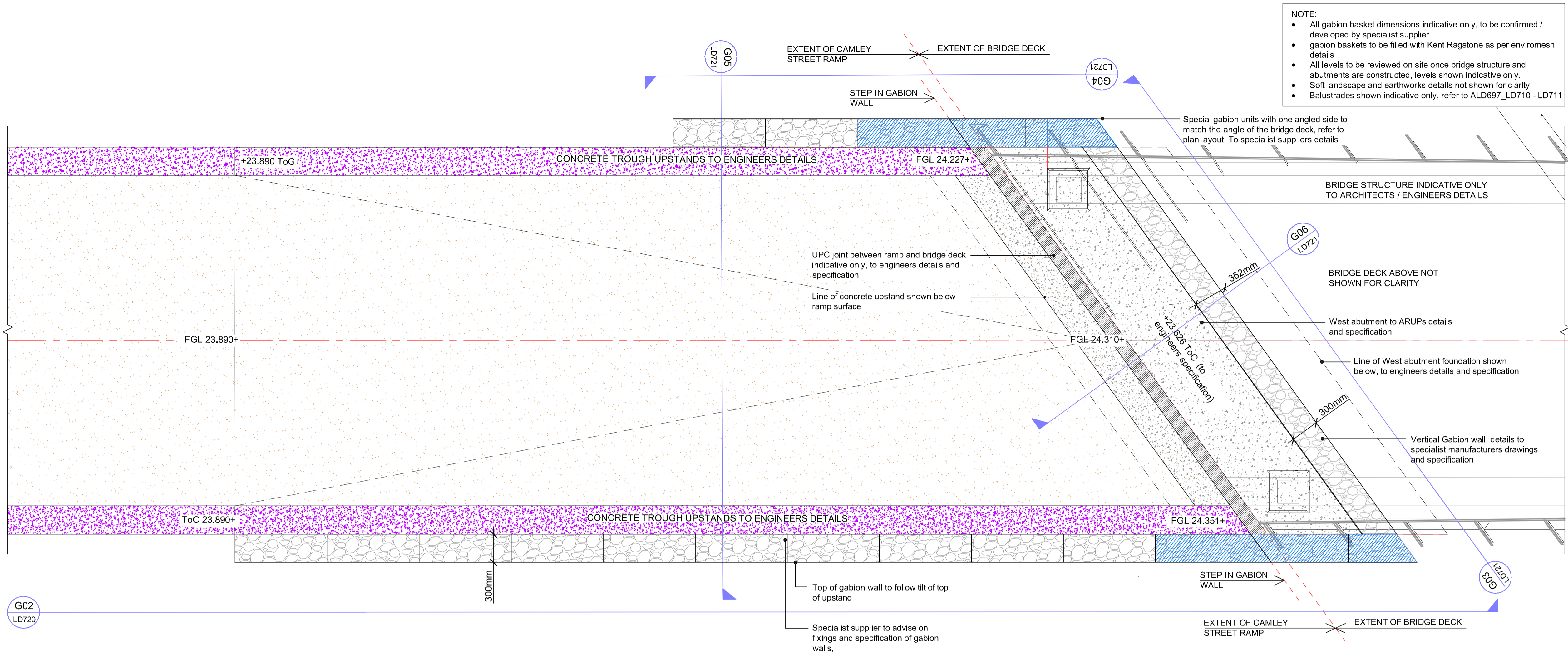
G02 PLAN LAYOUT SHOWING CAMLEY STREET BRIDGE GATE WHEN OPEN
 1:15 @ A1



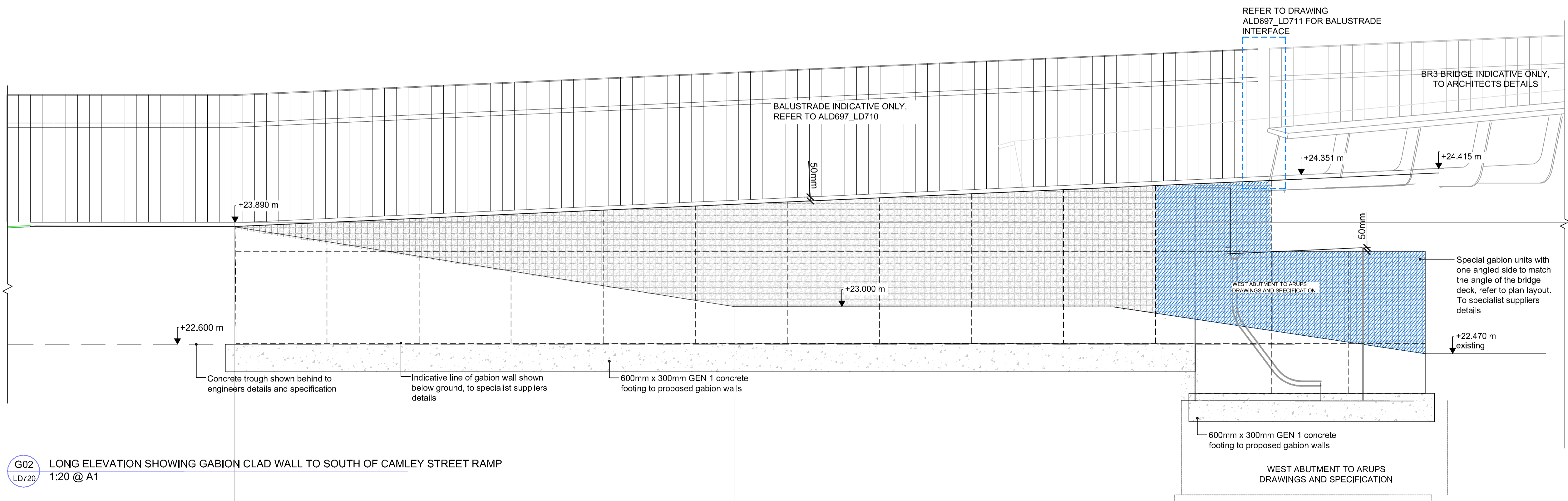
G03 FRONT ELEVATION SHOWING BRIDGE GATE WHEN CLOSED
 1:15 @ A1

G04 SIDE ELEVATION SHOWING BRIDGE GATE WHEN OPEN
 1:15 @ A1





G01 PLAN LAYOUT SHOWING WEST ABUTMENT AND GABION WALL
1:20 @ A1



G02 LONG ELEVATION SHOWING GABION CLAD WALL TO SOUTH OF CAMLEY STREET RAMP
1:20 @ A1

NOTE:

- All gabion basket dimensions indicative only, to be confirmed / developed by specialist supplier
- gabion baskets to be filled with Kent Ragstone as per enviromesh details
- All levels to be reviewed on site once bridge structure and abutments are constructed, levels shown indicative only.
- Soft landscape and earthworks details not shown for clarity
- Balustrades shown indicative only, refer to ALD697_LD710 - LD711

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CDM/H&S:
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- Construction:**
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 - Working at height / risk of falls
 - Working adjacent to canal
- Maintenance:**
- Working adjacent to canal
- Demolition:**

NOTES / KEY:
Drawing issued for Gabion wall specialist manufactures details and review only.
Gabion wall specialist supplier to provide specification and fabrication drawings

REFERENCE DRAWINGS/DOCUMENTS

ALD697_HL101	Hard Landscape Layout, Camley Street Ramp
ALD697_HL102	Hard Landscape Layout, Bridge Deck
ALD697_HL120	Fence and Enclosure Layout

REVISIONS

no.	issued	date
P01	First Issue for comment / review	04.02.2015

CLIENT:



LANDSCAPE ARCHITECT:

The Threshing Barn
Bignell Park Barns
Cheshamilton, Nr. Bicester
Oxfordshire, OX26 1TD
Tel: 01869 249776
Email: mail@appliedlandscape.co.uk



PROJECT:

**CAMLEY STREET BRIDGE
KINGS CROSS CENTRAL**

DRAWING TITLE:

**WEST ABUTMENT GABION WALL
PLAN LAYOUT AND ELEVATION
ELEVATIONS**

drawn:	scale:	
CW	1:20 @ A1	
checked:	status:	
KmJ	Construction	
date:	xref file ref:	
15.11.2015	ALD697_LDbase	
PROJECT NO.	DRAWING NUMBER:	REVISION:
ALD697	LD720	C01