



Building Services
Environmental Engineering
Building Acoustics
Lighting Design

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Lighting Design Intent
Myco
–
00542 Sunlight House
Planning Issue (P5)
June 2025





Sunlight House. Intersection of Quay Street and Little Quay Street

A. INTRODUCTION

This report outlines the concept design for the façade lighting at Sunlight House, Manchester, M3 3HP. The scope of these works is understood to comprise the full, street to roof level facades of Quay Street, Little Quay Street, and Atkinson Street.

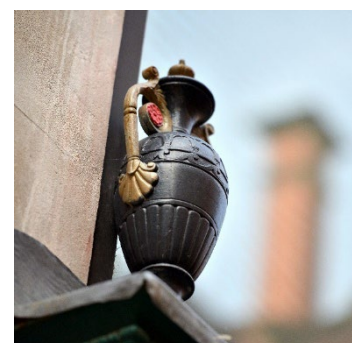
B. SUNLIGHT HOUSE

Sunlight house is a Grade II Listed building constructed in 1932. located within the Deansgate and Peter Street Conservation Area, the neighbourhood has a number of other Grade II Listed buildings including the Opera House to the West, The Royal London House to the East and numbers 184 and 186 Deansgate to the North-East.

The three street facades comprise 14 storeys of which the lower 10 floors are faced with Portland stone and the top four floors are set back from the facades with a mansard roof and dormer windows. The corners on each end of Little Quay Street are marked with full height Portland stone faceted towers each topped with a domed roof.

C. CLIENT BRIEF

It is understood the Client's Brief for the façade lighting of Sunlight House is to sympathetically highlight the architectural details of the three facades. In carefully lighting the street facing facades of Sunlight House, it is anticipated that the building will be restored to a prominent position in the streetscape, in keeping with its historical significance for Manchester.



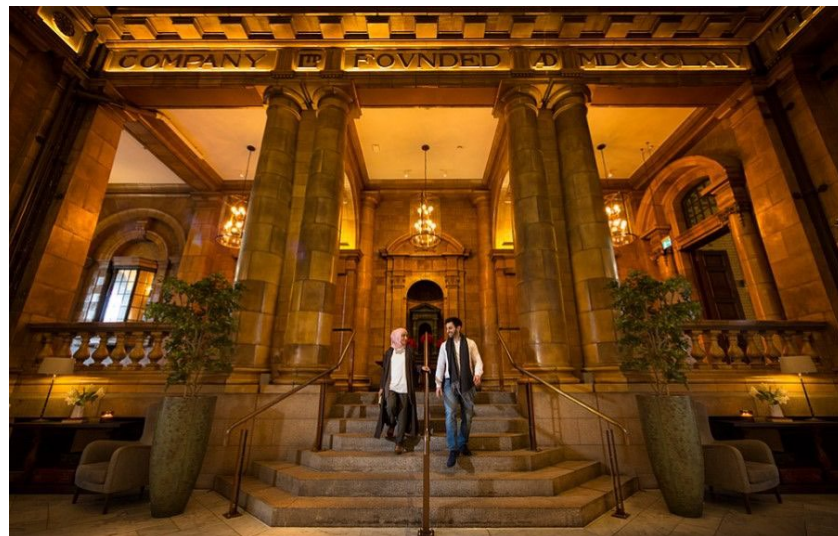
Architectural details



Sunlight House view looking West on Quay Street



The Midland Hotel



Kimpton Clocktower Hotel



The Royal Exchange Building

D. MANCHESTER HISTORIC EXTERNAL LIGHTING PRECEDENTS

The Grade II* Listed Kimpton Clocktower Hotel (previously The Palace Hotel) is located South of Sunlight House at the corner of Oxford Street and Whitworth Street. Built in stages between 1891 and 1932, this building underwent improvements to the external lighting in 2016 with the addition of reproduction historic gas lighting, spotlights and illuminated signage.

The Royal Exchange Building is a Grade II Listed building occupies a prominent position North of Sunlight House bounded by St Ann's Square, Exchange Street, Market Street, Cross Street and Old Bank Street. The external lighting was most recently upgraded in 2018 with external uplighting to pilasters, window reveals and the corner tower.

The Midland Hotel was opened in 1903 and was designated a Grade II* listed building in 1974. Sited due East of Sunlight House on the same streetscape, this building has external illuminated signage and uplighting to arched window reveals.

Although architecturally quite different to Sunlight House, these buildings represent good lighting precedents for Sunlight House because they all occupy prominent corner sites within the street and are historically significant structures within Manchester's city centre.



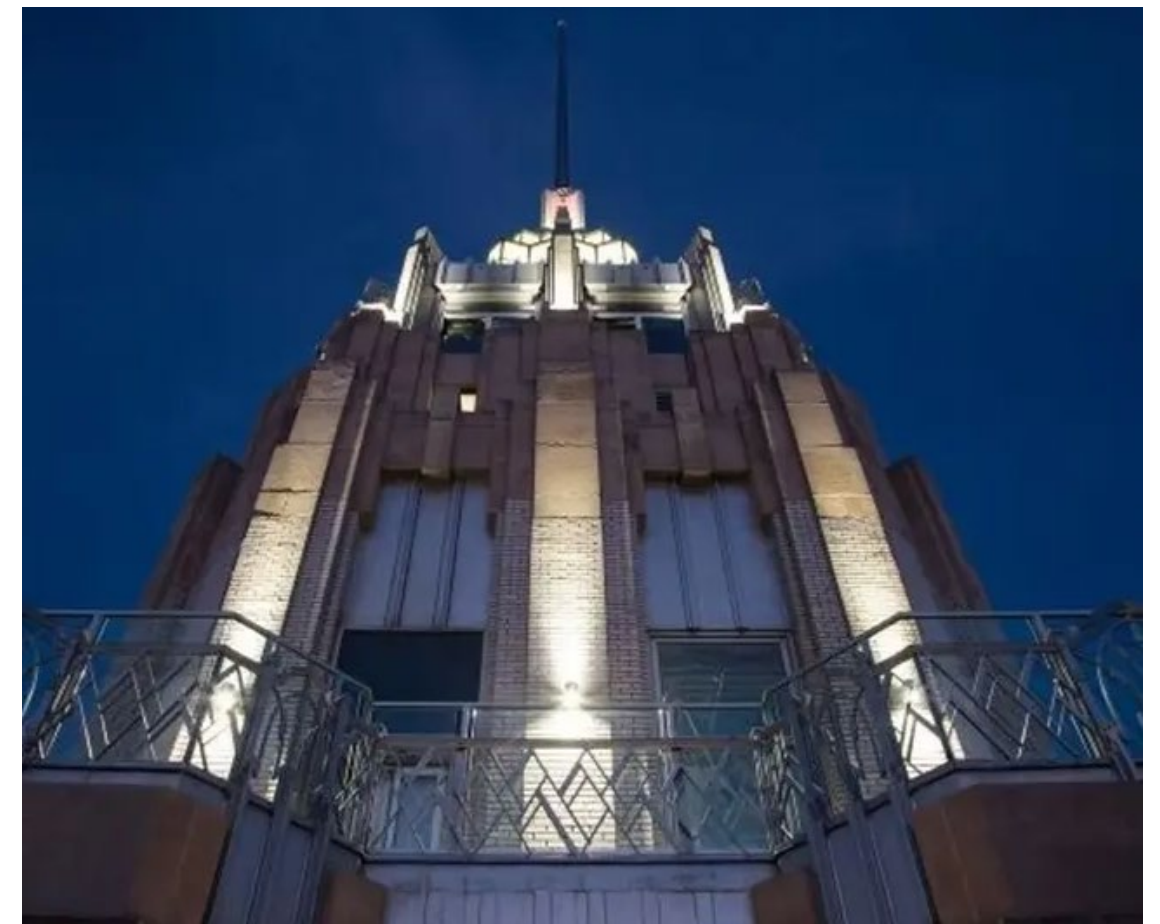
Bauhaus Building, Dessau 1926



Mossehaus, Berlin 1923



Walker Tower, New York 1929



70 Pine Street, New York 1932

E. CONTEMPORARY ARCHITECTURAL REFERENCES

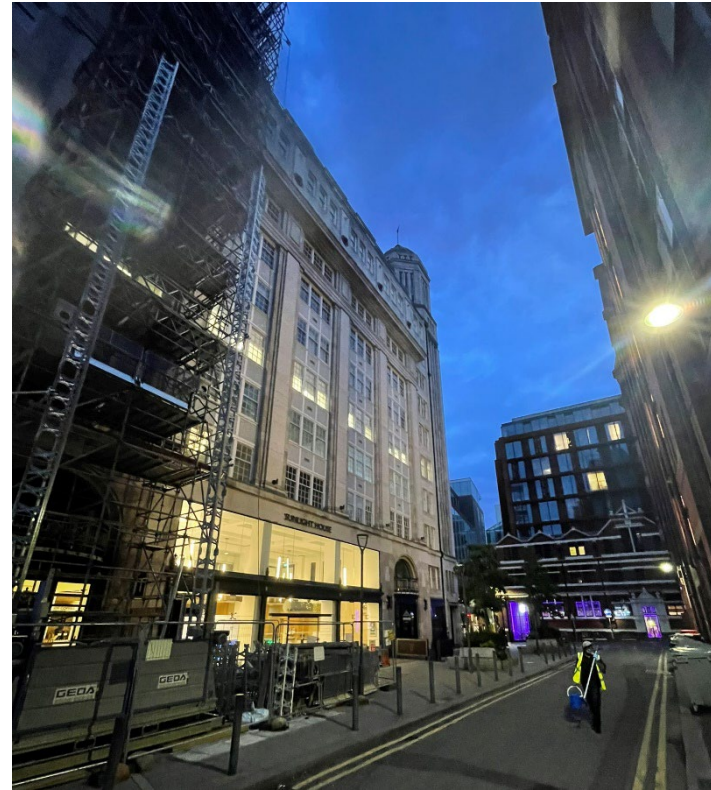
Completed in 1932, Sunlight House is contemporary to and drew inspiration from, the iconic Art Deco skyscrapers of America and the tall Modernist buildings in Europe and was, at the time of construction, the tallest building in Manchester.

The materiality and clean linear lines of these inspiration building styles is evident in Sunlight House in the towers on the corners of Little Quay Street, the protruding plinths and detailing extending the lengths of the Quay, Little Quay and Atkinson facades.

The lighting design for Sunlight House will aim to highlight the linear façade elements to reinforce the historic influences and architectural aesthetic of the building.



Corner of Quay and Little Quay Streets



Little Quay St



Corner of Quay and Little Quay Streets



Little Quay St



Atkinson St

F. EXISTING STREETScape AT NIGHT

Sunlight House appears to have existing external lighting fixed to the façade, however not all fittings were illuminated at the time of inspection. Cool white direct/indirect spotlights to the window on the corner of Quay and Little Quay alongside the warmer white linear sign light fixed over the entrance signage on the same corner appear to be the only lighting in use supplementing the pole-top street lighting.

The full height glazing to the entrances provides some spill light to the Corner of Quay and Little Quay and in front of the primary entrance to the offices from Little Quay Street. Atkinson Street is unlit except for the bright pole-top street lights. The pole-top light outside the entrance on Little Quay was not in use at the time of inspection. This luminaire is a different style to those on surrounding streets, however it is assumed to be outside of the Landlord's demise.

G. PROPOSED LIGHTING INTEGRATION FACTORS

The proposed lighting design will address the following areas of integration:

1. Planning and Listed Building Consent

The proposed lighting design will emphasise the architectural details of Sunlight House to reinforce its historical significance in the streetscape.

Where possible, new luminaires introduced to the façade will be located discretely so as not to detract from the original fabric.

It is assumed that Sunlight House will be stripped of all redundant light fittings. Where possible, the new luminaires will reuse existing routes along and through façade, fixing points and containment through the façade stone, with new fixings located in mortar joints where feasible.

A secondary fixing system is proposed, where possible, to minimize damage to the listed building fabric. It is anticipated that the linear LED lighting to the faced pelmets described in Section H of this report will employ this method of fixing.

The lighting design will follow all industry guidelines and building standards in addition to any measures outlined in Manchester City's Local Plan.

2. BREEAM

The refurbishment of Sunlight House is aiming to achieve BREEAM certification. The façade lighting design will seek to meet all requirements set out in the BREEAM Technical Manuals and to be verified by the appointed BREEAM Assessor.

The BREEAM requirements of the façade lighting are understood to be:

Hea 01 Visual Comfort

All external lighting located within the refurbishment or fit-out zone is designed to provide illuminance levels that enable users to perform outdoor visual tasks efficiently and accurately, especially during the night. To demonstrate this, external lighting provided is specified in accordance with BS 5489-1:2013 lighting of roads and public amenity areas³ and BS EN 12464-2:2014 light and lighting - lighting of workplaces - part 2: outdoor workplaces.

Ene 03 External Lighting

The average initial luminous efficacy of the external light fittings within the construction zone is not less than 60 luminaire lumens per circuit watt.

All external light fittings are automatically controlled to prevent operation during daylight hours and have presence detection in areas of intermittent pedestrian traffic.

Pol 04 Reduction Of Night Time Light Pollution

The external lighting strategy has been designed in compliance with table 2 (and its accompanying notes) of the ILP Guidance Notes For The Reduction Of Obtrusive Light.

All external lighting (except for safety and security lighting) can be automatically switched off between 23:00 and 07:00.

3. Contribution to Security

The proposed lighting design will aim to enhance the feeling of security to provide safe and welcoming pedestrian routes toward Atkinson Street End of Journey entrance in particular which is less currently a relatively dark and less trafficked route than the entrances from Quay and Little Quay Streets.

4. Maintenance and Access

The maintenance and access to all luminaires, their associated drivers, and wiring will be considered alongside the Landlord's Access Strategy for the maintenance of the building façades. It is understood the Access Strategy is a work in progress to allow for maintenance of photovoltaic panels serving the building at roof level.

Where access may be an issue, fibreoptic lighting can be considered. Fibreoptic lighting allows for the light source to be located remotely from the lighting optic in an area convenient for access and maintenance.

H. PROPOSED LIGHTING DESIGN INTENT

The lighting design for Sunlight House will aim to highlight the linear façade elements to reinforce the historic influences and architectural aesthetic of the building. A subtle approach to the external lighting will allow for the unlit areas of the façade to sit in contrast and reinforce the illuminated elements.

The dome of each tower has been highlighted to extend the view of Sunlight House across the Manchester city skyline, reinforcing the importance of this building in the wider view. The external lighting proposal also illuminates the eagle motif above each dome to further extend this view.

The illumination of the linear lines to the façade of each tower helps to join the domes with the rest of the façade at night. The downlights at First Floor Level of the towers will provide pools of light to the ground at these corners. This will demark the entrances at each tower and lead pedestrians along Little Quay Street.

The external lighting design outlined in this report has the addition of miniature spotlights to the Ground Floor Level architectural details. The narrow beam spotlights will pick out the original vase details on each façade at night and will draw the pedestrian's eye toward key retail entrances and displays, helping to distinguish these areas in the busy streetscape.



H.1 PROPOSED LIGHTING: OVERVIEW



Spotlights to highlight the eagle motif

Linear LED lighting at towers to define domed roof

Line of linear LED lighting at towers to define architectural frieze

Line of linear LED uplighting at Seventh Floor Level to define architectural plinth

Narrow beam uplights to towers at First Floor Level

Downlights to towers at First Floor Level

Lighting to signage above entrances

Spotlights to highlight the decorative vases above the Entrance Canopies

Proposed Façade Lighting Visualisation

H.2 PROPOSED LIGHTING: QUAY STREET ELEVATION



Proposed Façade Lighting Visualisation

Roblight fibreoptic lenses
(2no.) to spotlight eagle
motif.

Roblight Beespot Focus



Linear LED lighting fixed
via secondary angle fixing
to minimise fixing points
into building fabric.

Light Projects Lensed
Statflux LED Bar



Linear LED lighting fixed
via secondary angle fixing
to minimise fixing points
into building fabric.

Evica ES12



Miniature spotlights to
illuminate vases.

Light Projects LEDStar 3
Spotlight



Proposed Façade Luminaires. Refer to Appendix for detail drawings

H.3 PROPOSED LIGHTING: LITTLE QUAY STREET ELEVATION



Roblight fibreoptic lenses
(2no.) to spotlight eagle
motif.

Roblight Beespot Focus

Linear LED lighting fixed
via secondary angle fixing
to minimise fixing points
into building fabric.

Light Projects Lensed
Statflux LED Bar

Linear LED lighting fixed
via secondary angle fixing
to minimise fixing points
into building fabric.

Evica ES12

Miniature spotlights to
illuminate vases.

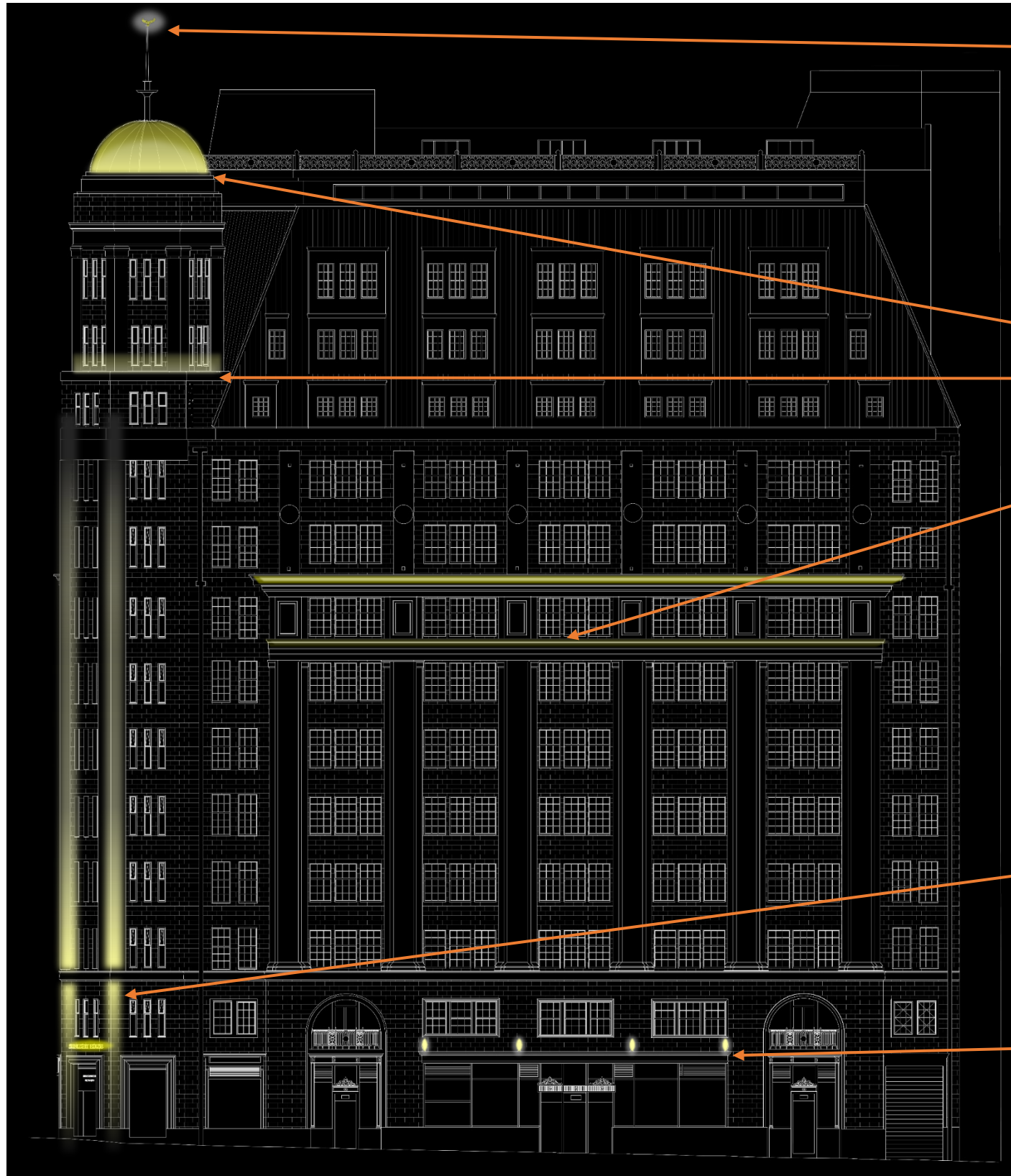
Light Projects LEDStar 3
Spotlight



Proposed Façade Lighting Visualisation

Proposed Façade Luminaires. Refer to Appendix for detail drawings

H.4 PROPOSED LIGHTING: ATKINSON STREET ELEVATION



Roblight fibreoptic lenses
(2no.) to spotlight eagle
motif.

Roblight Beespot Focus



Linear LED lighting fixed
via secondary angle fixing
to minimise fixing points
into building fabric.

Light Projects Lensed
Statflux LED Bar



Linear LED lighting fixed
via secondary angle fixing
to minimise fixing points
into building fabric.

Evica ES12



Miniature spotlights to
illuminate vases.

Light Projects LEDStar 3
Spotlight



Proposed Façade Lighting Visualisation

Proposed Façade Luminaires. Refer to Appendix for detail drawings

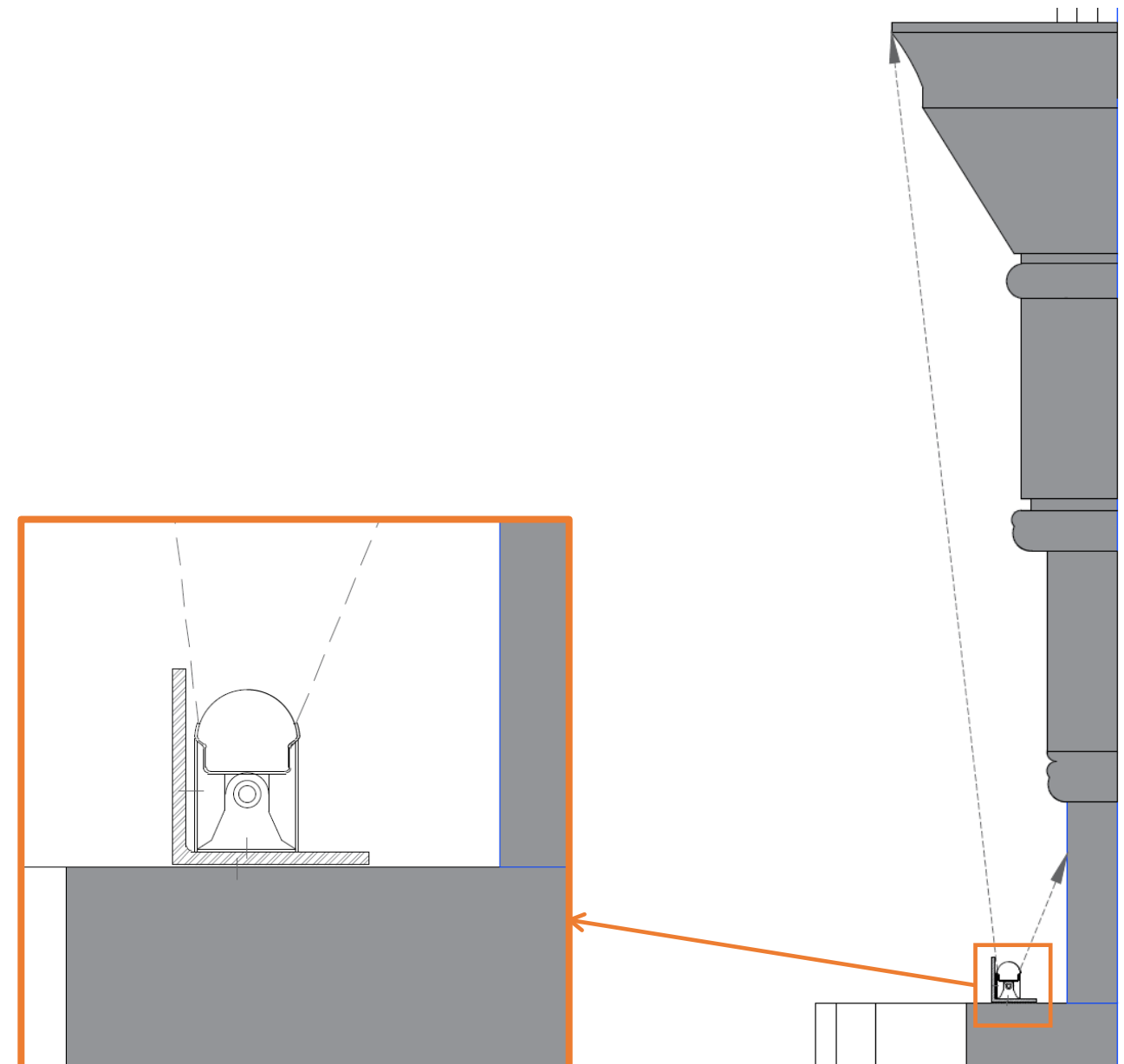


Concealed linear LED to uplight grand parapet on all three facades

H.5 PROPOSED LIGHTING: ARCHITECTURAL FACADE DETAILS

The protruding stone cornice details at the sixth and seventh storeys, on each of the three facades within the scope of this report, offer the opportunity to integrate linear LED lighting discretely. The lighting intends to emphasise the ornate stonework while reinforcing the horizontal lines of Sunlight House in the wider streetscape.

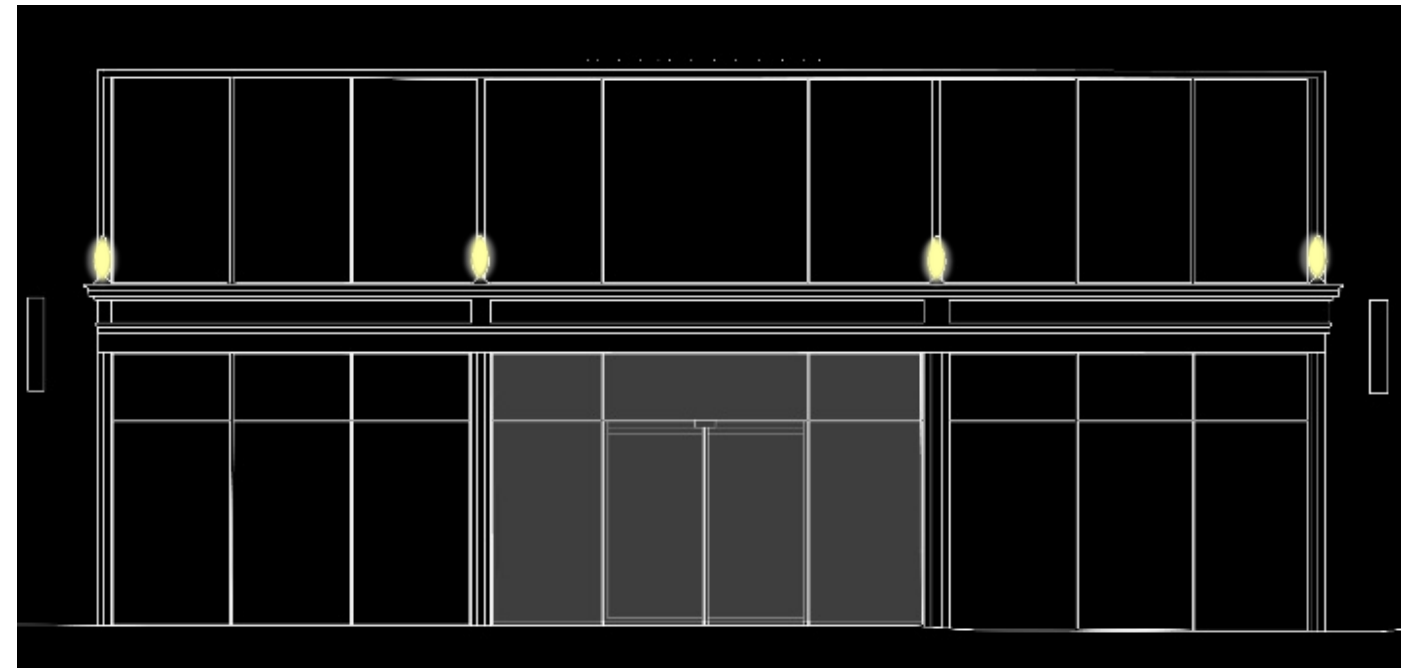
The line of linear LED at the Sixth Floor will focus light onto the protruding stonework above, defining the horizontal line of the plinth on each façade. The linear LED luminaire will be fixed to a continuous angle with the 'back' facing the street to focus light on to the building façade. The angle will act as secondary fixing to minimize the fixings through the fabric of the façade.



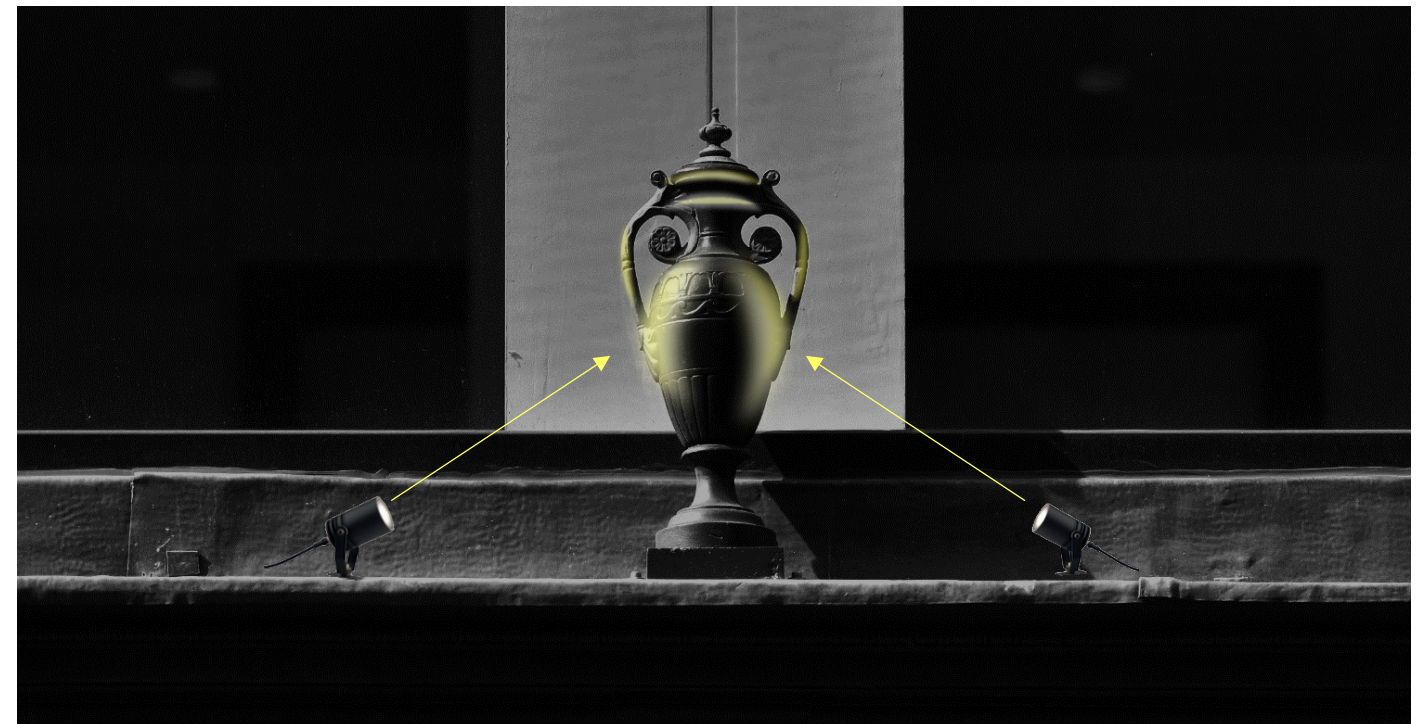
Proposed secondary fixing detail for linear uplighting

H.6 PROPOSED LIGHTING: ARCHITECTURAL DETAILS

Sunlight House benefits from original vase ornamentation above the entrance areas on Quay, Little Quay and Atkinson Streets. Miniature spotlights located to either side of each vase will define the shape of the decorations against the façade helping to define the area against the larger façade.



Existing Entrance Canopy to Little Quay Street with original decorative vases above.



Spotlights to highlight the decorative vases above the Entrance Canopy

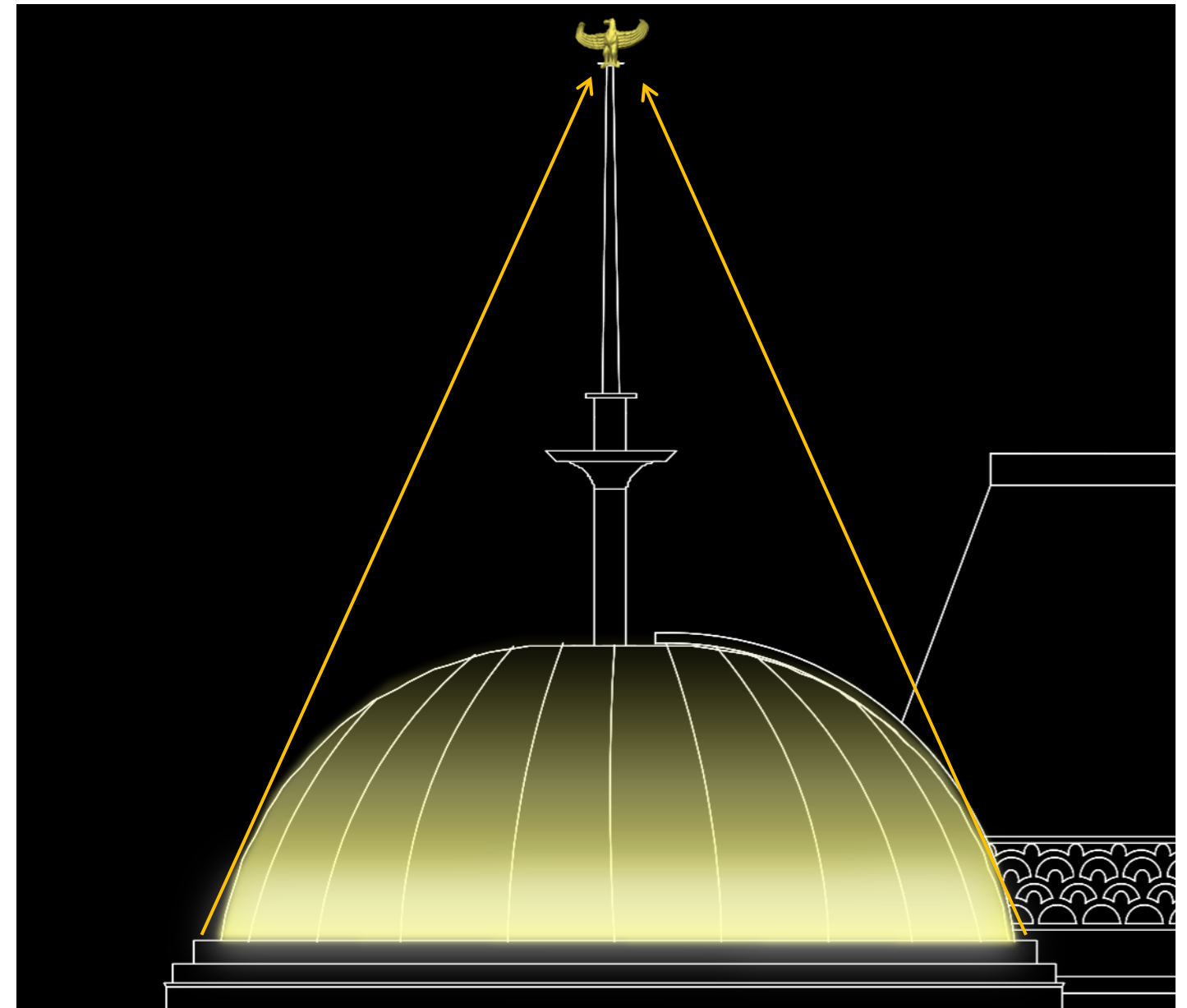
H.7 PROPOSED LIGHTING: ARCHITECTURAL DETAILS

At the topmost point of the towers marking the ends of Little Quay Street is an eagle motif. The motif has the potential to be seen from a distance if lit. This would further define Sunlight House in the Manchester cityscape, reemphasizing its historical importance.

Accessibility in locating luminaires in this location will require careful testing and coordination with the architecture and electrical services. It is proposed to illuminate the eagles with fibreoptic lenses. With fibreoptic installations, the light source is located away from the lens making maintenance more feasible in an accessible location. The lenses are able to be relatively small because they are not required to house any electrical equipment, only the lens and the waterproof housing fixed to the dome parapet.



The domed roof of each tower.



Spotlights to highlight the eagle motif above the domed roof and linear uplight to light the domed roof of each tower.



Existing signage to main entrance on Little Quay Street



Existing signage to main entrance on the corner of Quay and Little Quay Streets

H.8 PROPOSED LIGHTING: SIGNAGE

The proposed signage above entrances into Sunlight House has been designed by Signbox Architectural Signage Solutions.

Integral to the identity and wayfinding towards and around the building, the illumination of the proposed signage will need to be brighter than the adjacent illuminance levels to act as a beacon to pedestrians. The illumination should also be capable of providing a uniform level of lighting across the signage to minimize harsh shadows and glare that may make the lettering difficult to read or define at night.

The signage has been considered by both the Client and the appointed Planning Consultant for this project to both meet the requirements of the building use and the historic fabric of the facades.

ILLUMINATED SIGNAGE STRATEGY BY SIGNBOX

The proposal for the Main Entrance signage by Signbox employs illuminated individual letters affixed to a linear metal rail. The bracket over the primary entrance spans the width of the glazed opening to mirror the dimension and colour of the existing curtain walling frame.

The smaller entrances at the corners of Little Quay Street will use a linear LED to uplight the freestanding letters affixed to the metal bar.

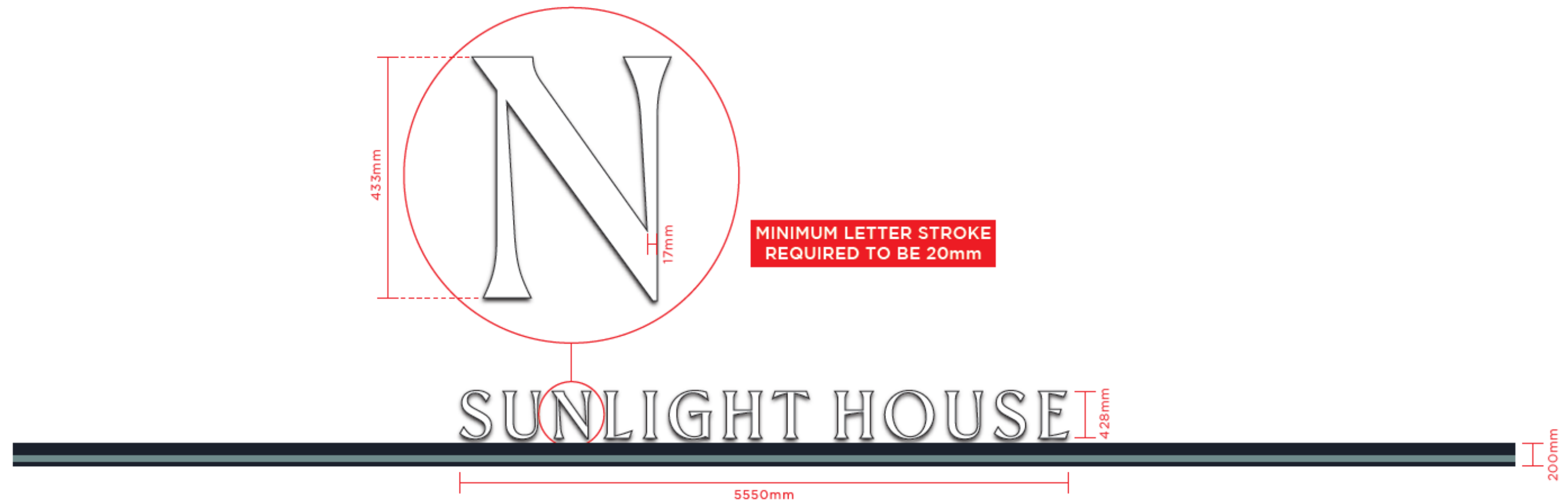
In both the Main and Corner Entrances, the metal rail has been proposed as it reduces the number of required fixings into the historic façade and provides enclosed containment for wiring to the signage lighting.

The colour temperature of the signage illumination will be a warm white to match that of the external façade lighting.



Indicative face illuminated signage

H.8.1 PROPOSED LIGHTING: SIGNAGE MAIN ENTRANCE



Main Elevation Letters Located on Trough

client	Karrev Ltd		
project	Sunlight House - Manchester - Sign Pack - External		
job no	AO56819	dwg no	00
date / revision	scale	drawn by	page
03.02.25 / 5	1:12.5@A3	JS	2 of 6

Colour
■ Bronze
■ White
■ Black
■ Green

Rev	Date	Purpose of issue
1	19.11.24	Issued for client review
2	27.11.24	Pack development
3	10.12.24	Pack development
4	17.01.25	Pack development
5	03.02.25	Pack development

By		
JS		
JS		
JS		
JS		
JS		
	SF014/6	T 01784 438688
	© signbox ltd	E sales@signbox.co.uk

Main elevation

Face Illuminated letters are affixed to a metal fabricated trough, this reflects the lower canopy detail and serves to reduce perforations to the building's facade and acts as a vehicle to house and conceal the power cables to the letters. Length of letters designed to align with internal columns.

The LED lighting circuits are both dimmable and subject to controlled hours.



Face Illumination



Main Elevation Letters Located on Trough - Day & Night Superimposed

client	Karrev Ltd		
project	Sunlight House - Manchester - Sign Pack - External		
job no	AO56819	dwg no	00
date / revision	03.02.25 / 5	scale	NTS@A3
		drawn by	JS
		page	3 of 6

Colour
■ Bronze
■ White
■ Black
■ Green

Rev	Date	Purpose of Issue
1	19.11.24	Issued for client review
2	27.11.24	Pack development
3	10.12.24	Pack development
4	17.01.25	Pack development
5	03.02.25	Pack development

By
JS
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JS

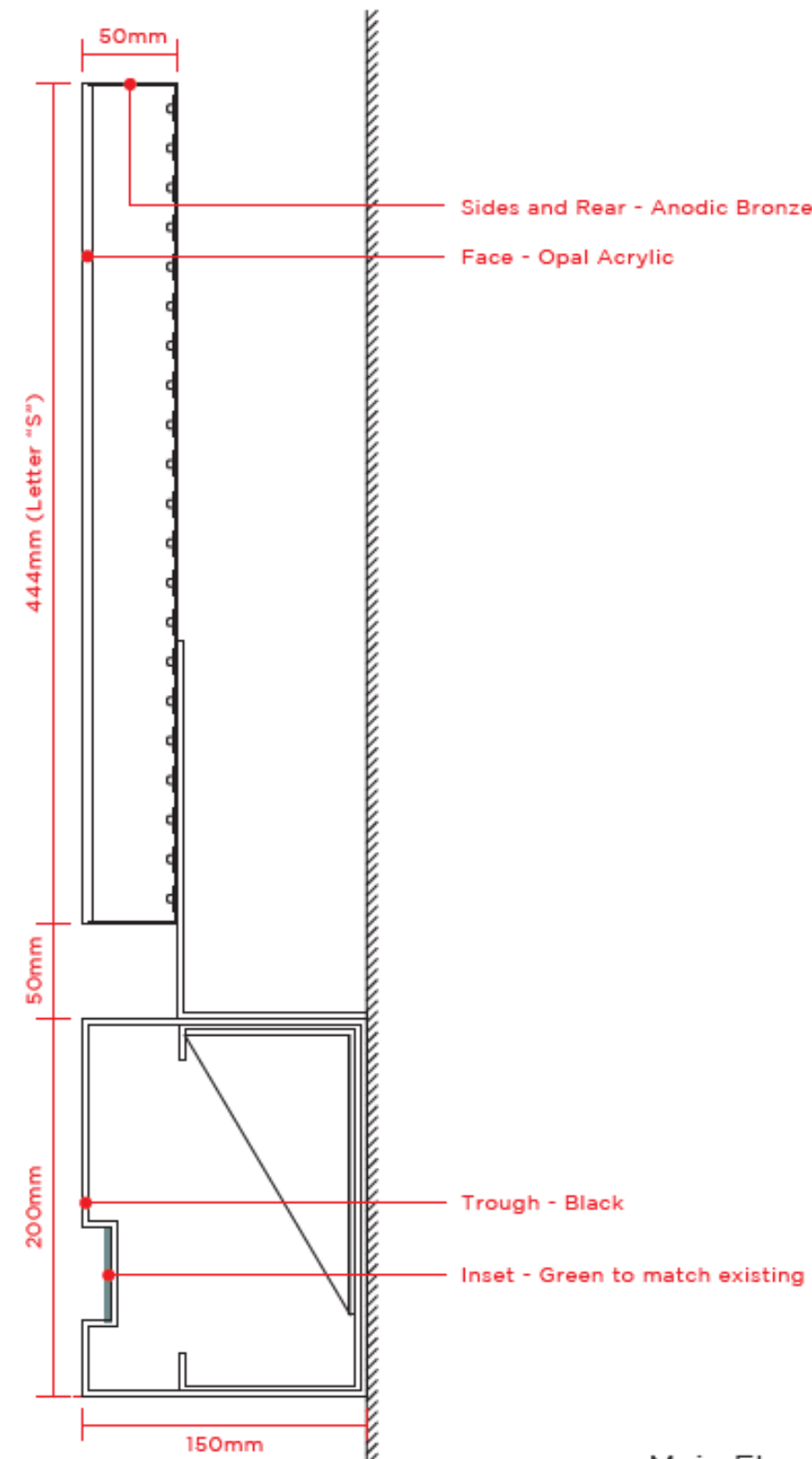


T 01784 438688
E sales@signbox.co.uk



Elevation

Face Illumination



Fabricated metal letters
with opal acrylic.

LED's to match exterior
building lighting scheme,
colour & kelvin rating

Main Elevation Letters Located on Trough - Section

client	Karrev Ltd		
project	Sunlight House - Manchester - Sign Pack - External		
job no	AO56819	dwg no	00
date / revision	scale	drawn by	page
03.02.25 / 5	NTS@A3	JS	4 of 6

Colour
■ Bronze
■ White
■ Black
■ Green

Rev	Date	Purpose of issue
1	19.11.24	Issued for client review
2	27.11.24	Pack development
3	10.12.24	Pack development
4	17.01.25	Pack development
5	03.02.25	Pack development

By	MADE IN BRITAIN	signbox
JS	IC	
JS	ISO 9001	
JS	SF014/6	
JS	© signbox Ltd	
	T 01784 438688	
	E sales@signbox.co.uk	

H.8.2 PROPOSED LIGHTING: SIGNAGE CORNER ENTRANCES

Letters are affixed to a metal fabricated trough unifying design with the main entrance. The stroke width of the letters is too narrow to house LED's in the letters. The light source (LED'S) will be incorporated in the trough, to give a 'wash' of light across the face of the letters, this will serve to provide a face illuminated effect.

The LED lighting circuits are both dimmable and subject to controlled hours.



Splay Elevation Letters Located on Trough

client	Karrev Ltd		
project	Sunlight House - Manchester - Sign Pack - External		
job no	AO56819	dwg no	00
date / revision	scale	drawn by	page
03.02.25 / 5	NTS@A3	JS	5 of 6

Colour

 Bronze

 Black

 Green

Rev	Date	Purpose of Issue
1	19.11.24	Issued for client review
2	27.11.24	Pack development
3	10.12.24	Pack development
4	17.01.25	Pack development
5	03.02.25	Pack development

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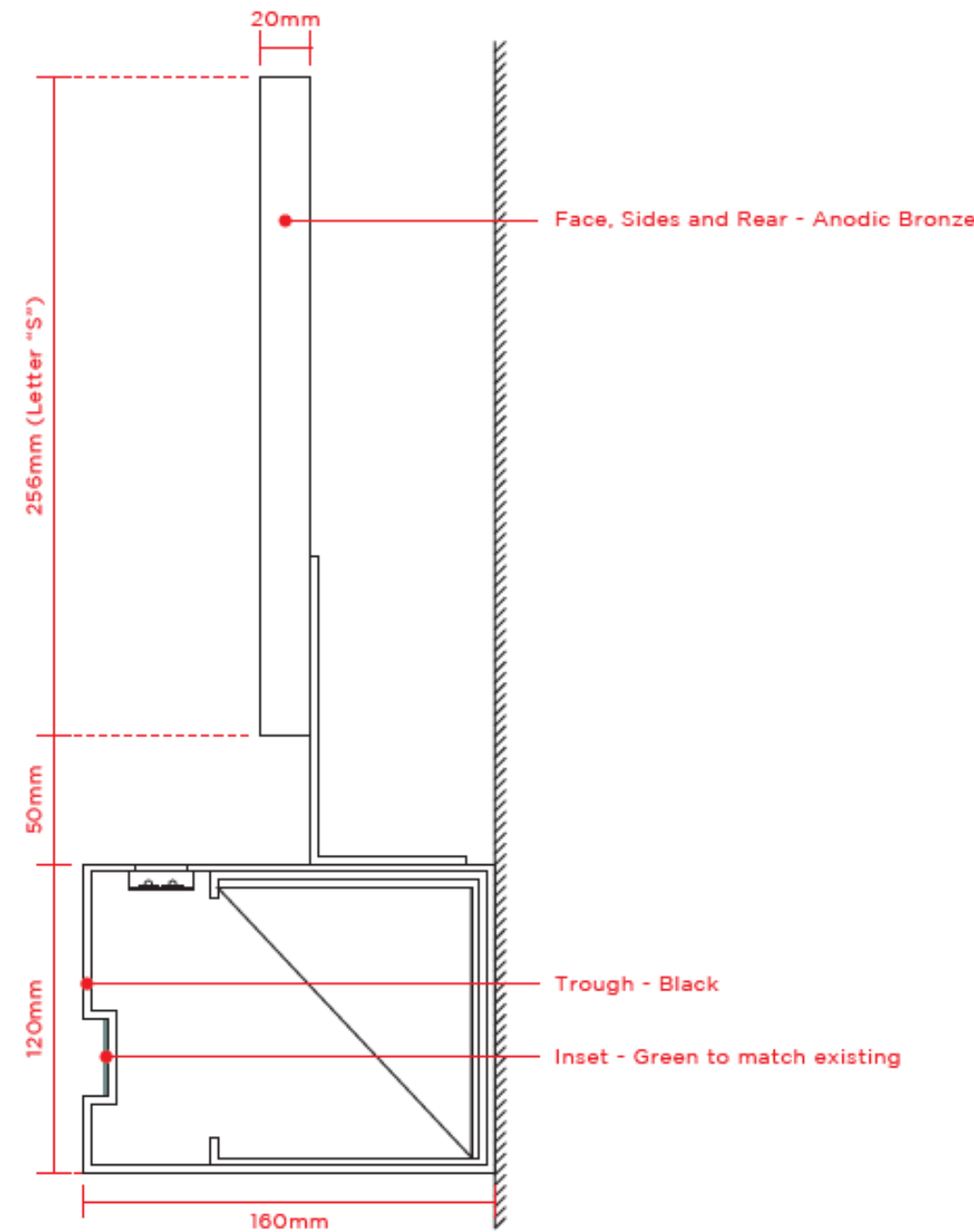
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T 01784 438688
E sales@signbox.co.uk

Letters will be manufactured in acrylic.

The light source (LED'S) will be incorporated in the trough, to give a 'wash' of light across the face of the letters, this will serve to provide a face illuminated effect.

Faux face Illumination (via trough)



Splay Elevation Letters Located on Trough - Section

client	Karrev Ltd		
project	Sunlight House - Manchester - Sign Pack - External		
job no	AO56819	dwg no	00
date / revision	03.02.25 / 5	scale	1:2.5@A3
drawn by	JS	page	6 of 6

Colour
■ Bronze
■ Black
■ Green

Rev	Date	Purpose of issue
1	19.11.24	Issued for client review
2	27.11.24	Pack development
3	10.12.24	Pack development
4	17.01.25	Pack development
5	03.02.25	Pack development

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JS	ISO 9001	
JS	SF014/6	
JS	© signbox ltd	
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	E sales@signbox.co.uk	

I. CONTROLS

At the time of writing this Stage 2 Façade Lighting Report, the control strategy for the external lighting has not been designed, however, it is assumed that, in line with BREEAM guidance, the lighting control will incorporate astronomical clocks and photocells to ensure the lighting is not switched on during daylight hours.

It has been assumed that all lighting will be dimmable where possible. The dimmability of the luminaires will allow for light output of specified lighting groups to be dimmed as required either to a preset level during commissioning for simple on/off switching, or as a pre-programmed set of lighting scenes that can be adapted to the time of day.

It has been assumed that all façade lighting will be a uniform warm white colour temperature (i.e. <3000K) and no lighting capable of changing colour is required.

The signage will be controlled alongside the façade lighting to enable it to be switched off and dimmed as required.

Further discussion of the façade lighting control will be scheduled during the RIBA Stage 3 design.

J. EMERGENCY LIGHTING

It is assumed that no emergency lighting is required within the scope of the façade lighting appointment for Sunlight House. Emergency lighting to external areas are by others, please refer to this information package for escape strategy.

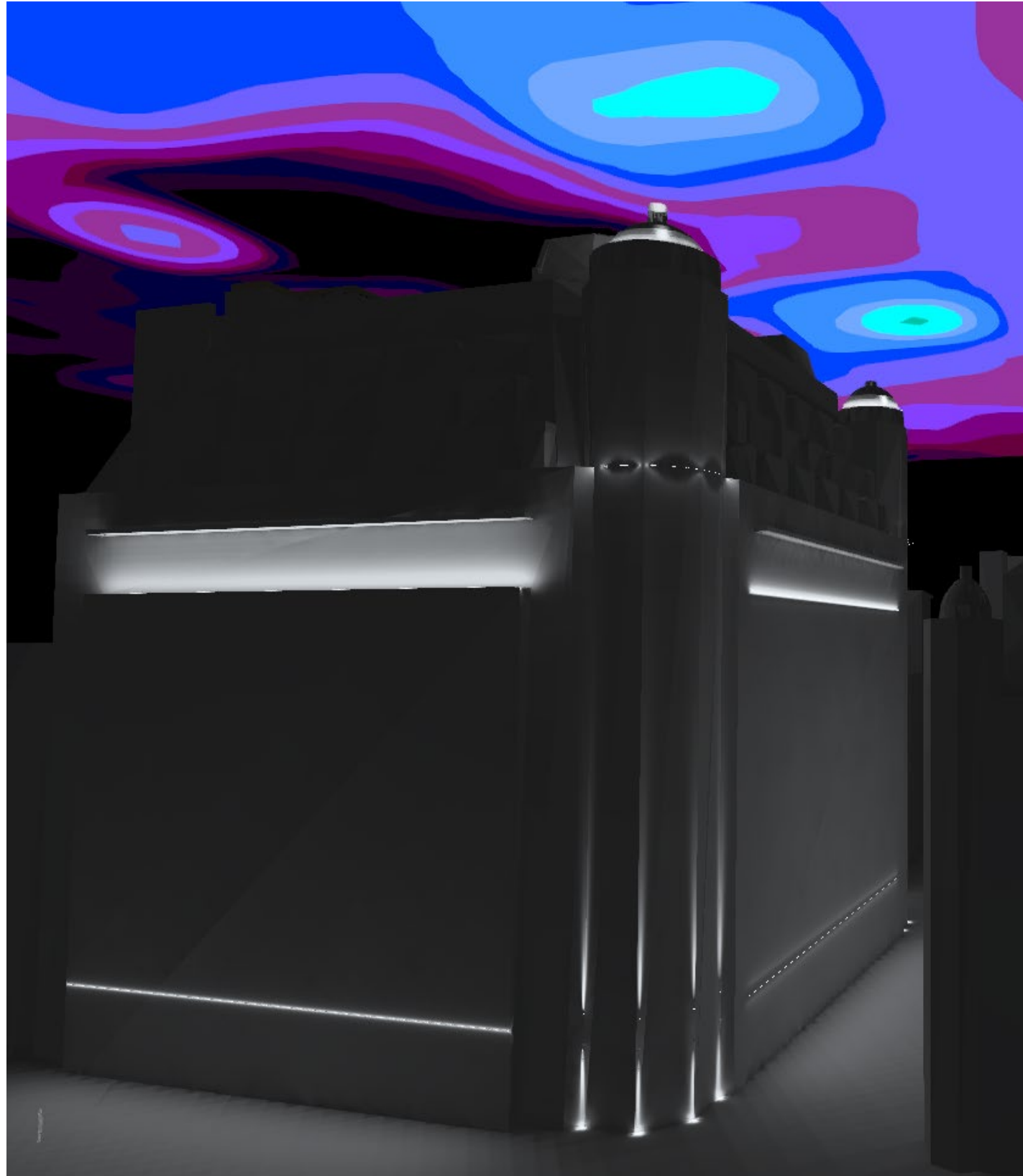


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K. APPENDIX

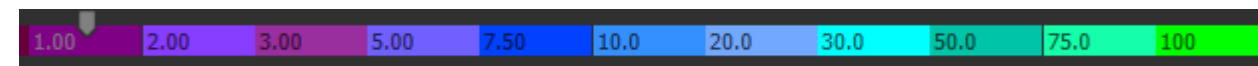


Screenshot of Dialux skyglow calculation and light modelling.

K.1 SKYGLOW CALCULATIONS OF PROPOSED LIGHTING DESIGN

The proposed lighting was modelled in Dialux software and the amount of light from the proposed lighting installation calculated. The calculation surface was located at 60m above street level, approximately 7 meters above the highest roof level of Sunlight House.

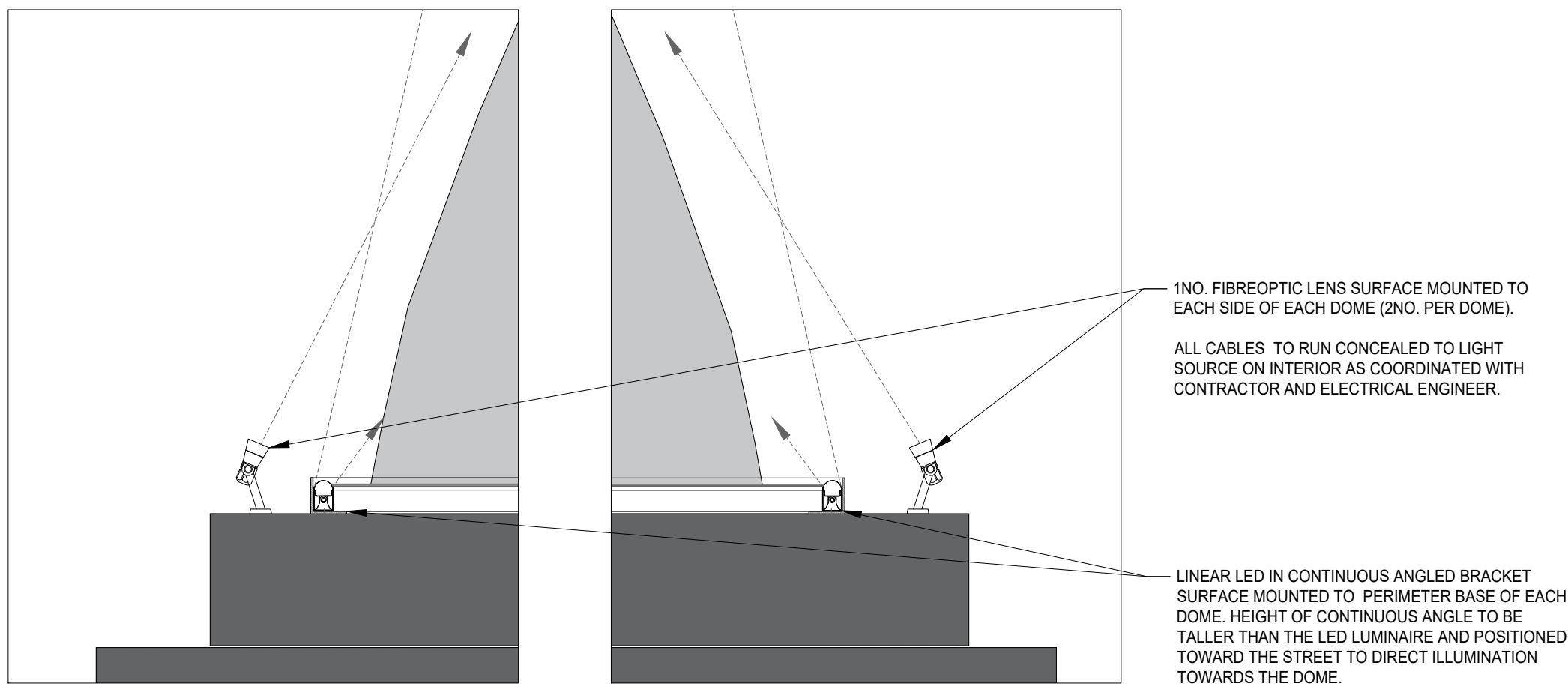
The average lux level to the calculation surface was measured as 2.28 lux. The highest level measured was 54.1 lux, presumably from the spotlights directed at the eagle motifs. The model did not allow for dimming or focusing the beam to the motif only. The proposed installation will, in reality, be commissioned to appropriate dimming levels and the fibreoptic lens focused to the motifs only, mitigating any spill light to the sky.



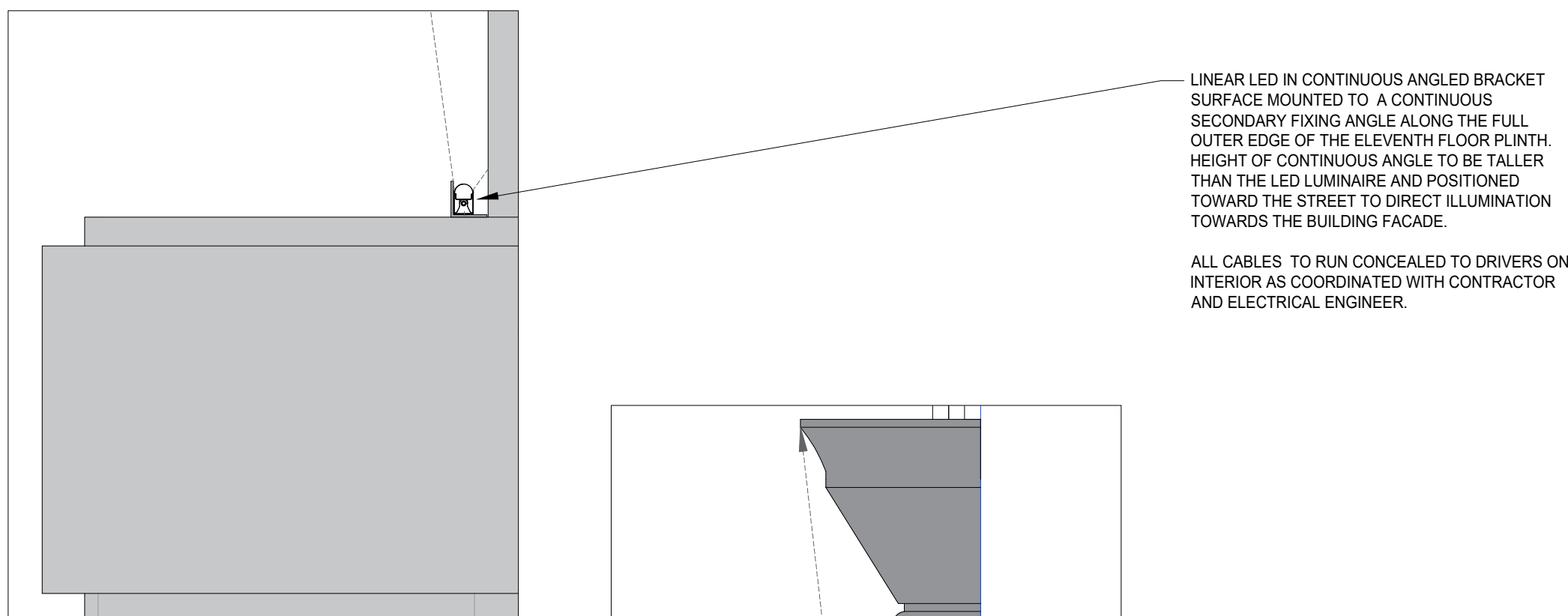
Legend in Lux for Dialux model adjacent



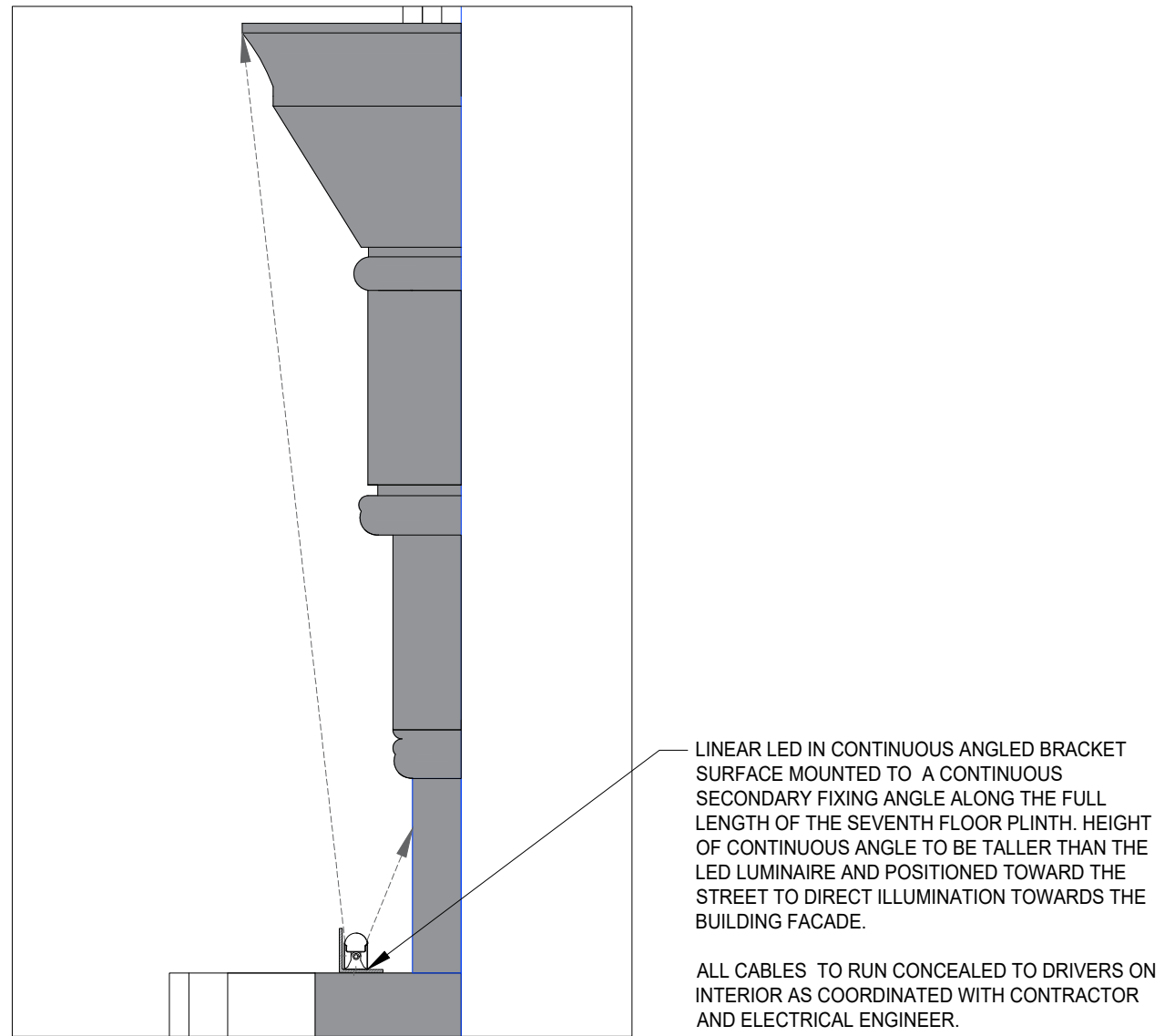
ATKINSON STREET ELEVATION (1:100)



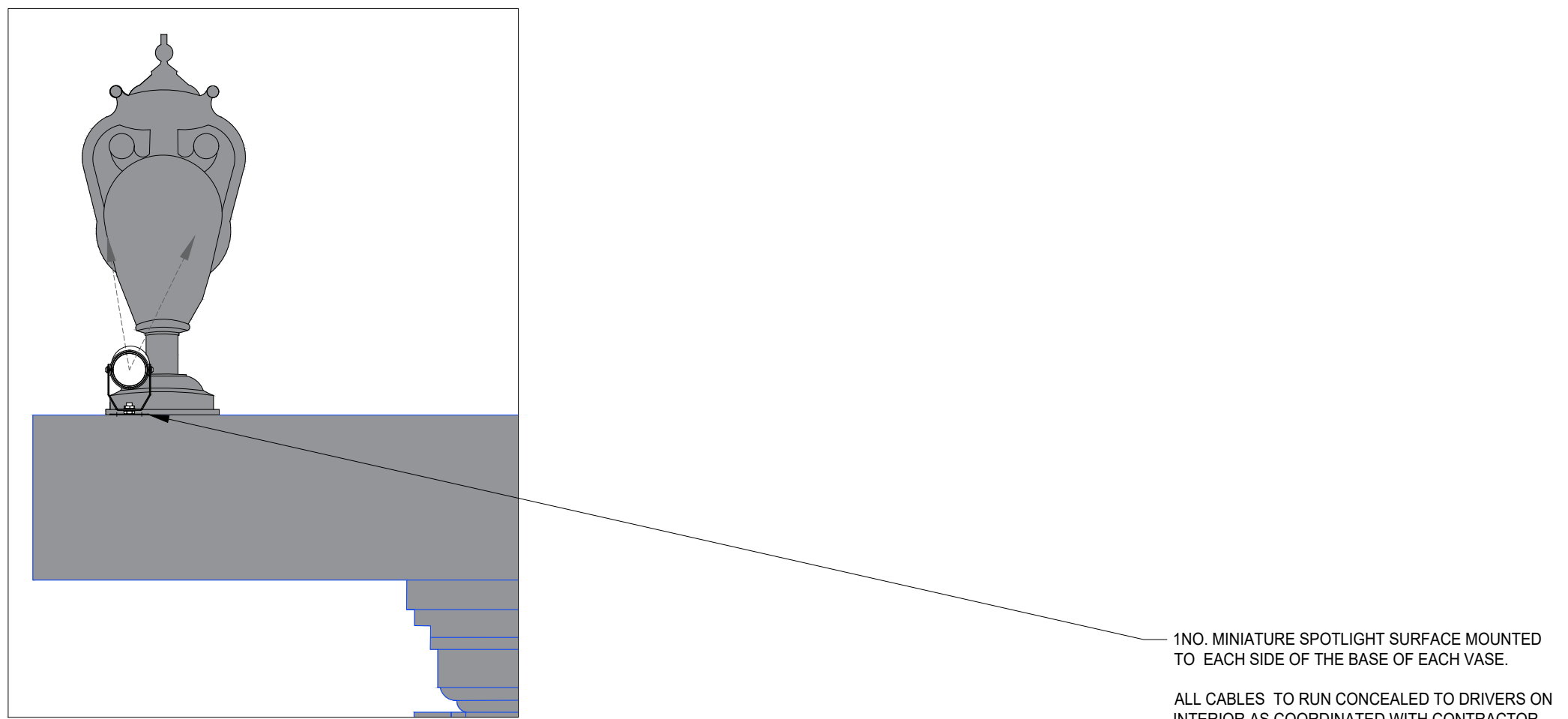
A. DETAIL OF DOME LIGHTING (1:5)



B. DETAIL OF ELEVENTH FLOOR LIGHTING (1:5)



C. DETAIL OF PLINTH LIGHTING (1:5)



D. DETAIL OF VASE LIGHTING (1:5)

NOTES:

1. PERFORMANCE DESIGN DRAWING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN DEVELOPMENT, SIZING, CO-ORDINATION, SUPPLY, INSTALLATION, CLEANING, CONNECTION, TESTING, COMMISSIONING AND SETTING TO WORK OF THE COMPLETE LEVELV INSTALLATION.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND PROJECT DOCUMENTATION.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
4. DO NOT SCALE THIS DRAWING.
5. ALL INFORMATION SUBJECT TO DETAILED SITE SURVEY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LIASING WITH ALL UTILITY PROVIDERS TO PROCURE ALL UTILITY WORKS.
7. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR CO-ORDINATING OF ALL BUILDERSWORK PENETRATIONS.
8. ALL NEW BUILDERSWORK PENETRATIONS LOCATIONS SHALL BE AGREED WITH THE ARCHITECT.
9. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR ACOUSTIC AND FIRE STOPPING OF ALL PENETRATIONS.
10. ALL BUILDERSWORK PENETRATIONS TO BE ACOUSTICALLY STOPPED AND FIRE STOPPED IN ACCORDANCE WITH ALL REQUIREMENTS OF ARCHITECTURAL SPECIFICATION AND SERVICE STANDARD DETAILS.
11. ALL EXPOSED CONDUIT AND CONTAINMENT SHALL BE INSTALLED IN A VISUALLY CO-ORDINATED MANNER AND SHALL BE AGREED WITH THE CA PRIOR TO INSTALLATION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ROUTE AND SIZE OF ALL CABLES AND CONTAINMENT. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR THE BENDING RADIUS OF ALL CABLES AND MAKE ALLOWANCE FOR SLOW BENDS, AS REQUIRED.
13. THE CONTRACTOR SHALL ENSURE ADEQUATE SEPARATION AND SCREENING TO AVOID ELECTROMAGNETIC INTERFERENCE TO ADJACENT ELV CABLES.
14. UNLESS OTHERWISE INDICATED, ALL WIRING DEVICES / OUTLET SOCKETS TO BE FLUSH MOUNTED.
15. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR ALL ASSOCIATED NEW SUB-CIRCUITS, SUB-MAINS CIRCUITS, CABLING AND CONTAINMENT TO SERVE ALL NEW AND EXISTING PROVISIONS.

EMERGENCY AND GENERAL LIGHTING NOTES:

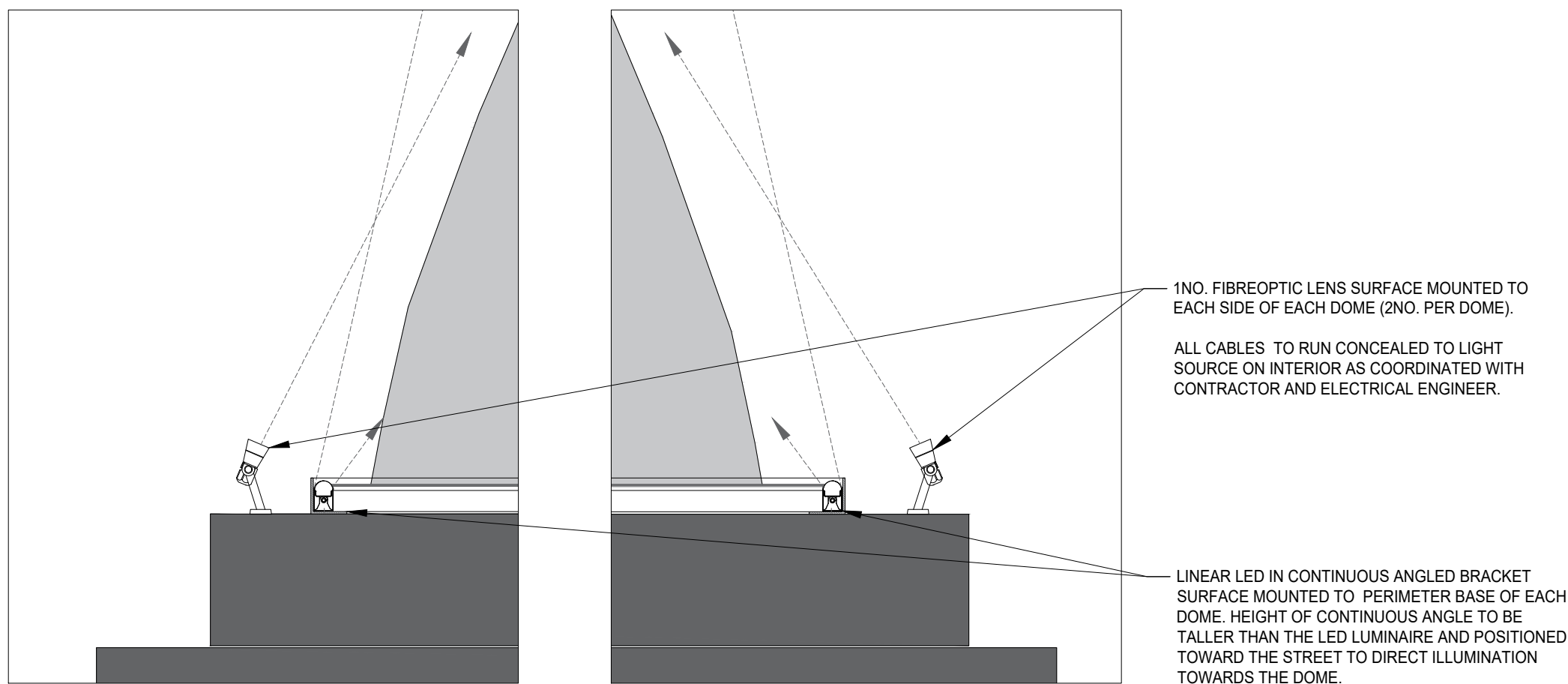
1. THE INSTALLATION SHALL BE IN ACCORDANCE WITH BS 5266, BS 7671:2008, THE ELECTRICITY AT WORK ACT, AND BUILDING REGULATIONS PART B.
2. EMERGENCY FITTINGS SHALL BE CE MARKED AND TYPE TESTED TO BS EN 60598-2-22.
3. ILLUMINATED EXIT SIGNAGE TO BE IN ACCORDANCE WITH BUILDING CONTROL REQUIREMENTS.
4. ILLUMINATED DIRECTIONAL ARROWS SHALL COMPLY WITH BS 5499-4:2013
5. INSTALLATION TESTING AND COMMISSION OF FULL SYSTEM IN ACCORDANCE WITH BS EN 50172
6. ENSURE ALL LUMINAIRES COMPLY WITH BS EN 61547

03	Revised Planning Issue	04/06/2025
02	Planning Issue	03/06/2025
01	Stage 03 (Draft)	14/03/2025

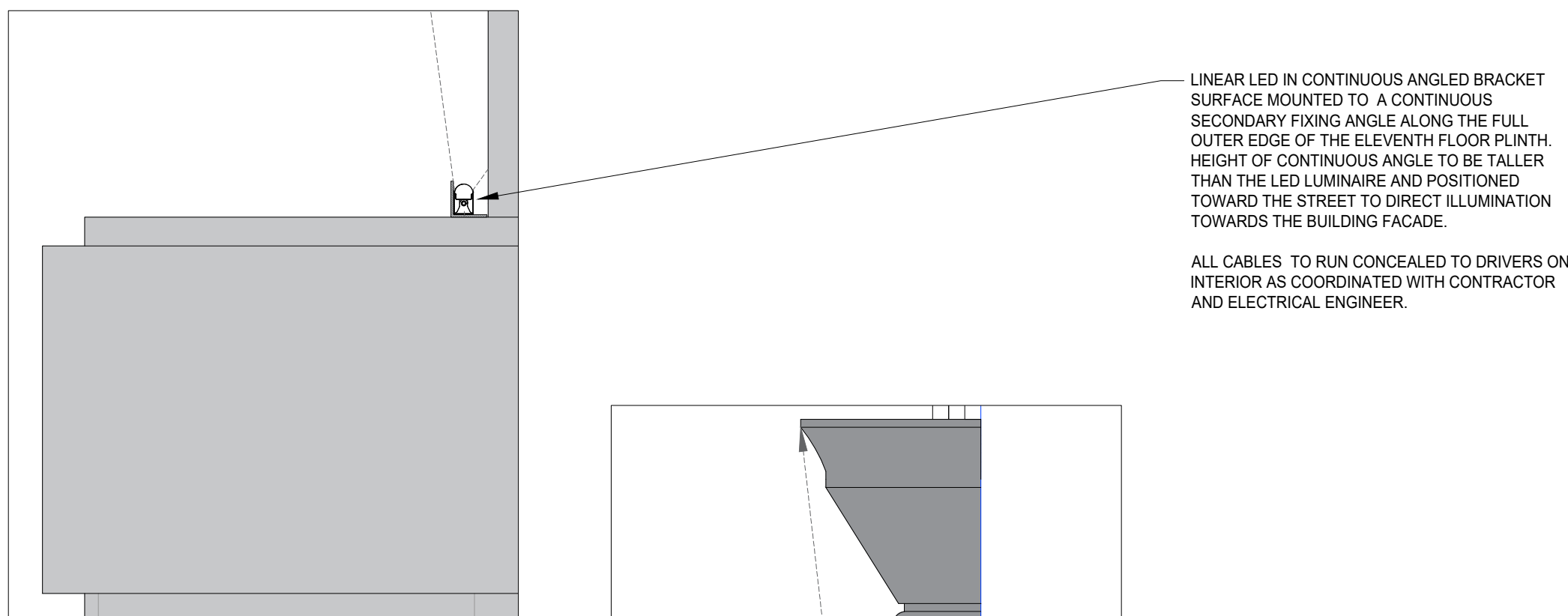
Rev	Description	Date
OR CONSULTING ENGINEERS		
64a Offley Road, London, SW9 0LS www.orconsult.co.uk info@orconsult.co.uk		
Architect	Anomaly	
Project	Sunlight House Performance Design Atkinson Street Facade Lighting	
Scales	1:100 @ A0	
Drawn by	KR	
Date	14/03/2025	
Job No.	00542	
Drng. No.	542-ORC-XX-00-DR-E-6302	
Rev	03	



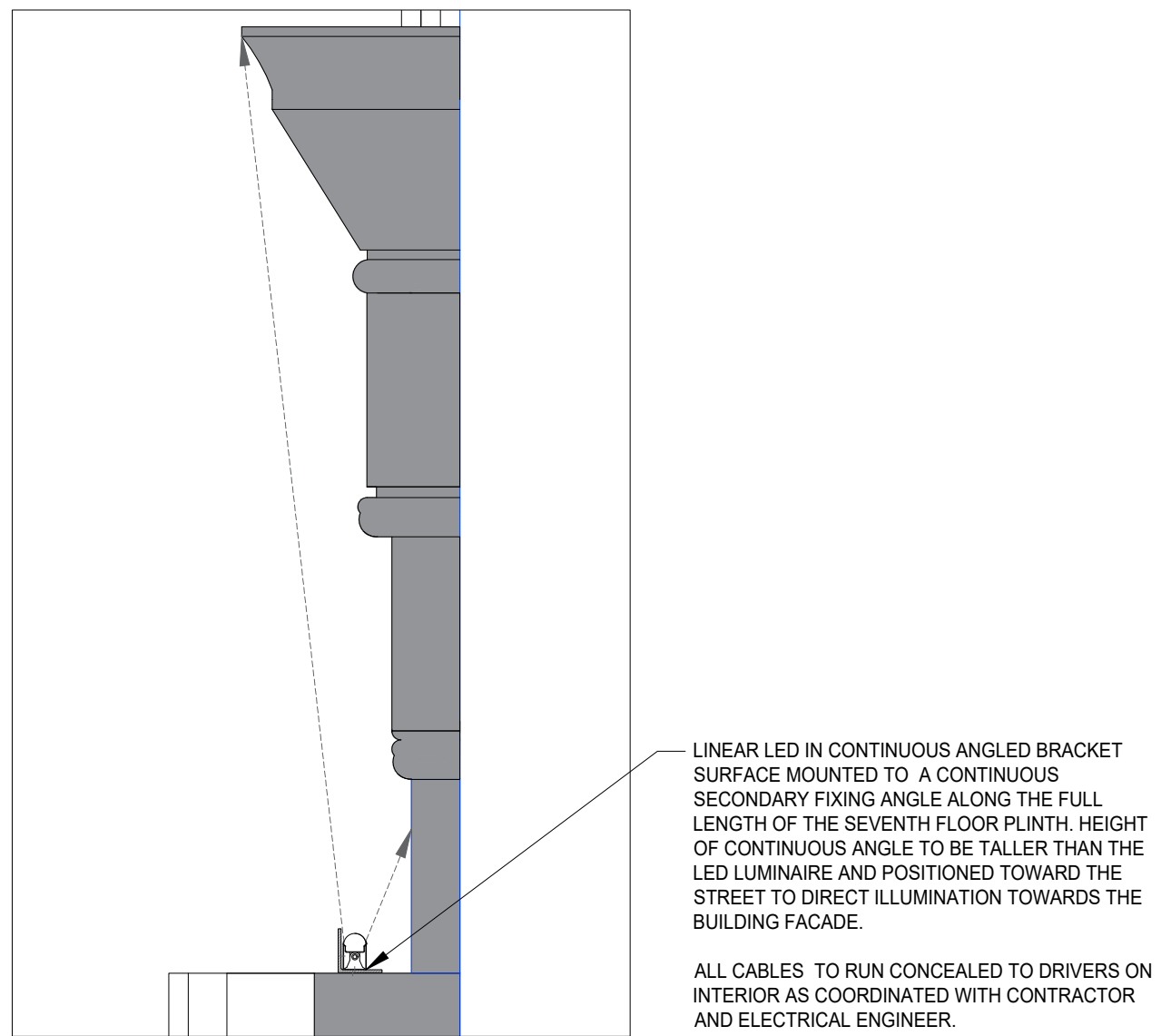
LITTLE QUAY STREET ELEVATION (1:100)



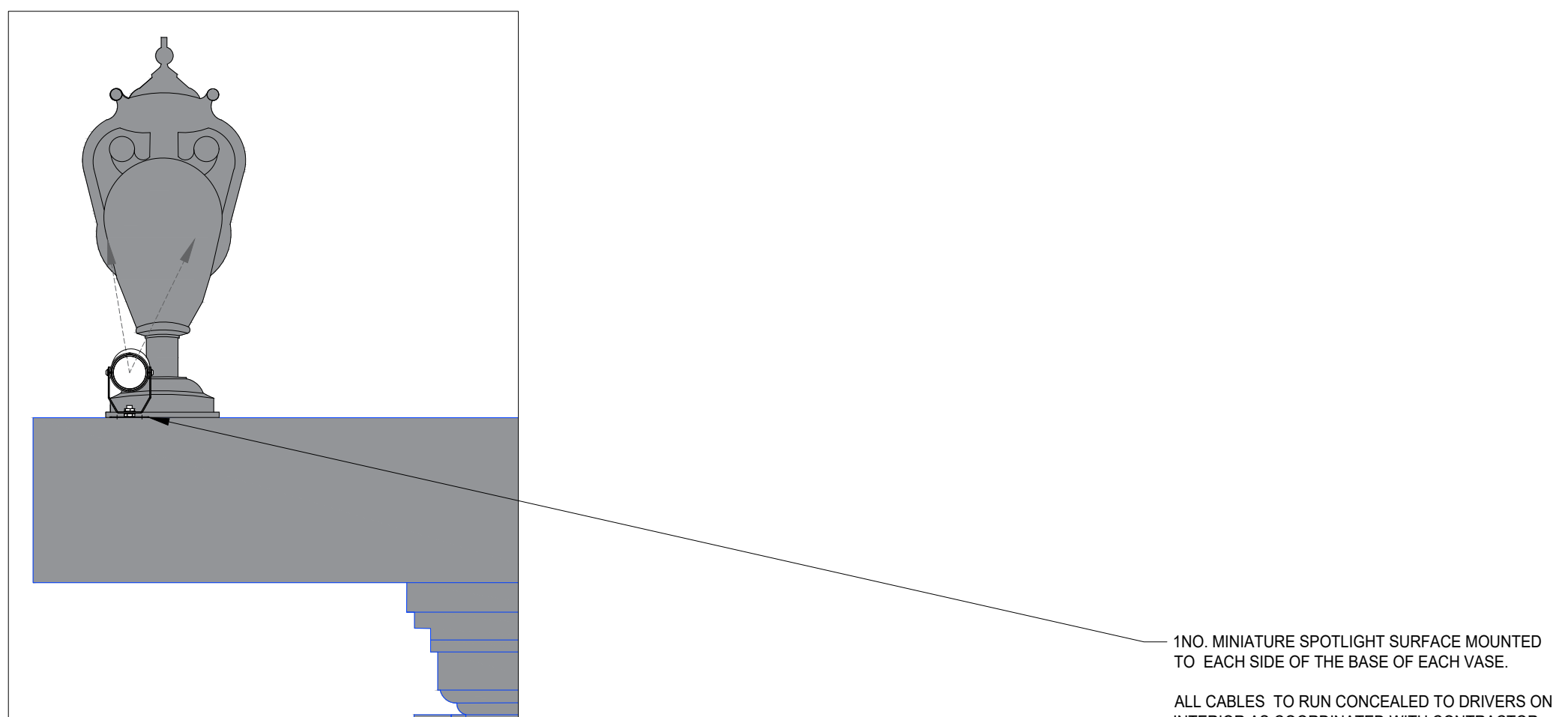
A. DETAIL OF DOME LIGHTING (1:5)



B. DETAIL OF ELEVENTH FLOOR LIGHTING (1:5)



C. DETAIL OF PLINTH LIGHTING (1:5)



D. DETAIL OF VASE LIGHTING (1:5)

NOTES:

1. PERFORMANCE DESIGN DRAWING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN DEVELOPMENT, SIZING, CO-ORDINATION, SUPPLY, INSTALLATION, CLEANING, CONNECTION, TESTING, COMMISSIONING AND SETTING TO WORK OF THE COMPLETE LEVELV INSTALLATION.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND PROJECT DOCUMENTATION.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
4. DO NOT SCALE THIS DRAWING.
5. ALL INFORMATION SUBJECT TO DETAILED SITE SURVEY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LIASING WITH ALL UTILITY PROVIDERS TO PROCURE ALL UTILITY WORKS.
7. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR CO-ORDINATING OF ALL BUILDERSWORK PENETRATIONS.
8. ALL NEW BUILDERSWORK PENETRATIONS LOCATIONS SHALL BE AGREED WITH THE ARCHITECT.
9. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR ACOUSTIC AND FIRE STOPPING OF ALL PENETRATIONS.
10. ALL BUILDERSWORK PENETRATIONS TO BE ACOUSTICALLY STOPPED AND FIRE STOPPED IN ACCORDANCE WITH ALL REQUIREMENTS OF ARCHITECTURAL SPECIFICATION AND SERVICE STANDARD DETAILS.
11. ALL EXPOSED CONDUIT AND CONTAINMENT SHALL BE INSTALLED IN A VISUALLY CO-ORDINATED MANNER AND SHALL BE AGREED WITH THE CA PRIOR TO INSTALLATION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ROUTE AND SIZE OF ALL CABLES AND CONTAINMENT. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR THE BENDING RADIUS OF ALL CABLES AND MAKE ALLOWANCE FOR SLOW BENDS, AS REQUIRED.
13. THE CONTRACTOR SHALL ENSURE ADEQUATE SEPARATION AND SCREENING TO AVOID ELECTROMAGNETIC INTERFERENCE TO ADJACENT ELV CABLES.
14. UNLESS OTHERWISE INDICATED, ALL WIRING DEVICES / OUTLET SOCKETS TO BE FLUSH MOUNTED.
15. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR ALL ASSOCIATED NEW SUB-CIRCUITS, SUB-MAINS CIRCUITS, CABLING AND CONTAINMENT TO SERVE ALL NEW AND EXISTING PROVISIONS.

EMERGENCY AND GENERAL LIGHTING NOTES:

1. THE INSTALLATION SHALL BE IN ACCORDANCE WITH BS 5266, BS 7671:2008, THE ELECTRICITY AT WORK ACT, AND BUILDING REGULATIONS PART B.
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02	Planning Issue	03/06/2025
01	Stage 03 (Draft)	14/03/2025

Rev	Description	Date
01	CONSULTING ENGINEERS	
02	64a Offley Road, London, SW9 0LS	
03	www.orconsult.co.uk	
04	info@orconsult.co.uk	

Architect	Anomaly
Project	Sunlight House Performance Design Little Quay Street Facade Lighting

Scales	1:100 @ A0
Drawn by	KR
Date	14/03/2025
Job No.	00542
Drg. No.	542-ORC-XX-00-DR-E-6301
Rev	03

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EMERGENCY AND GENERAL LIGHTING NOTES:

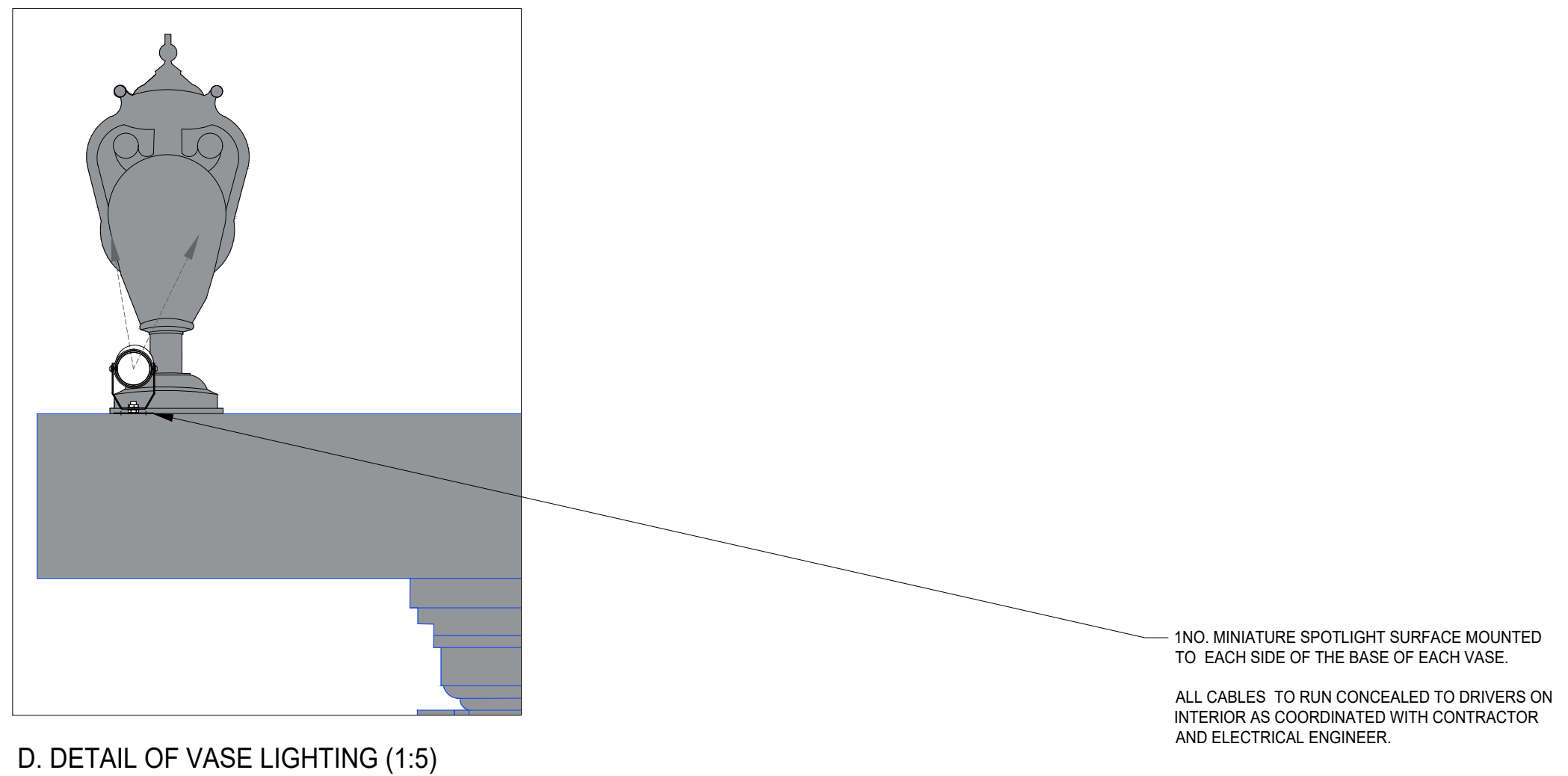
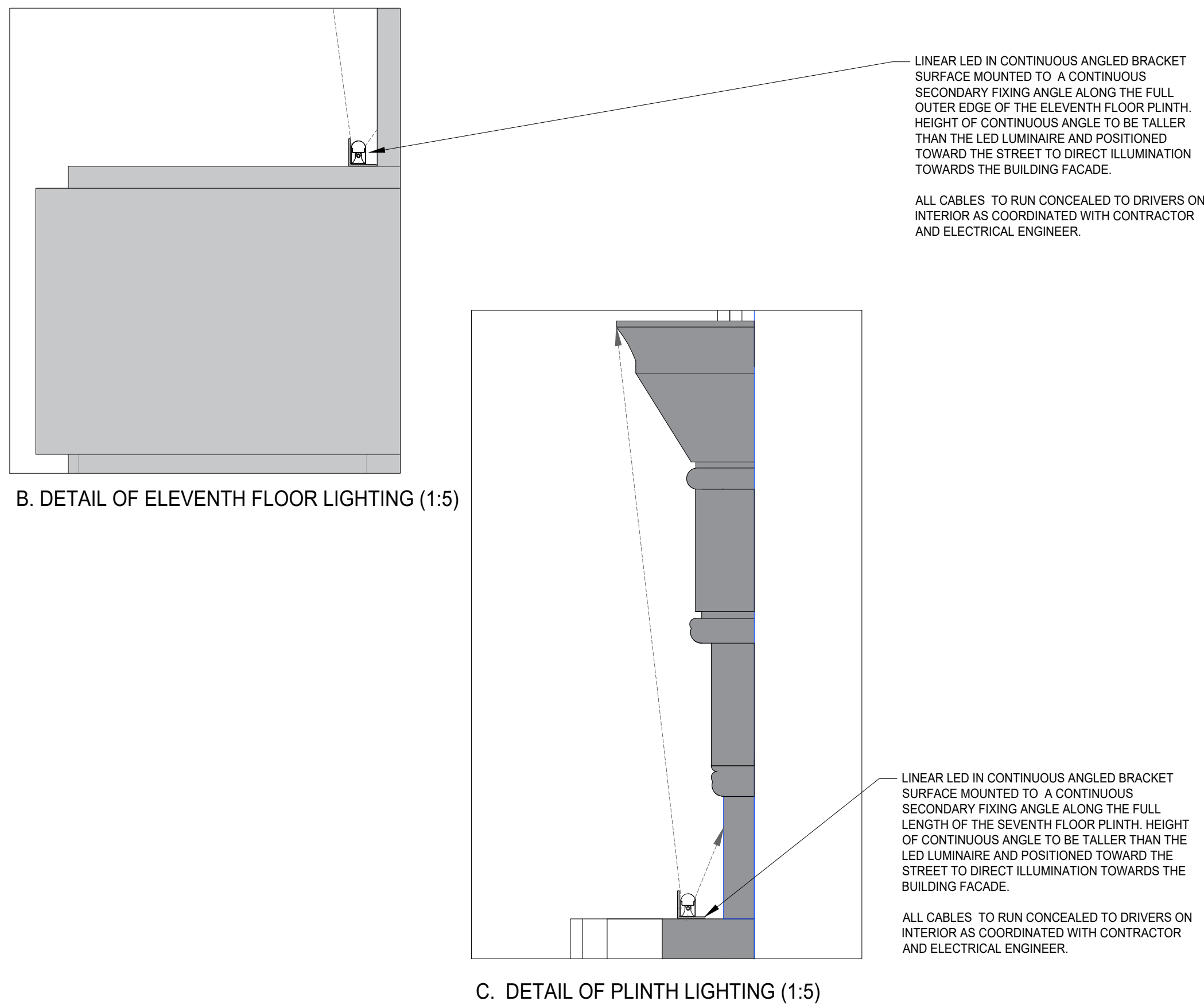
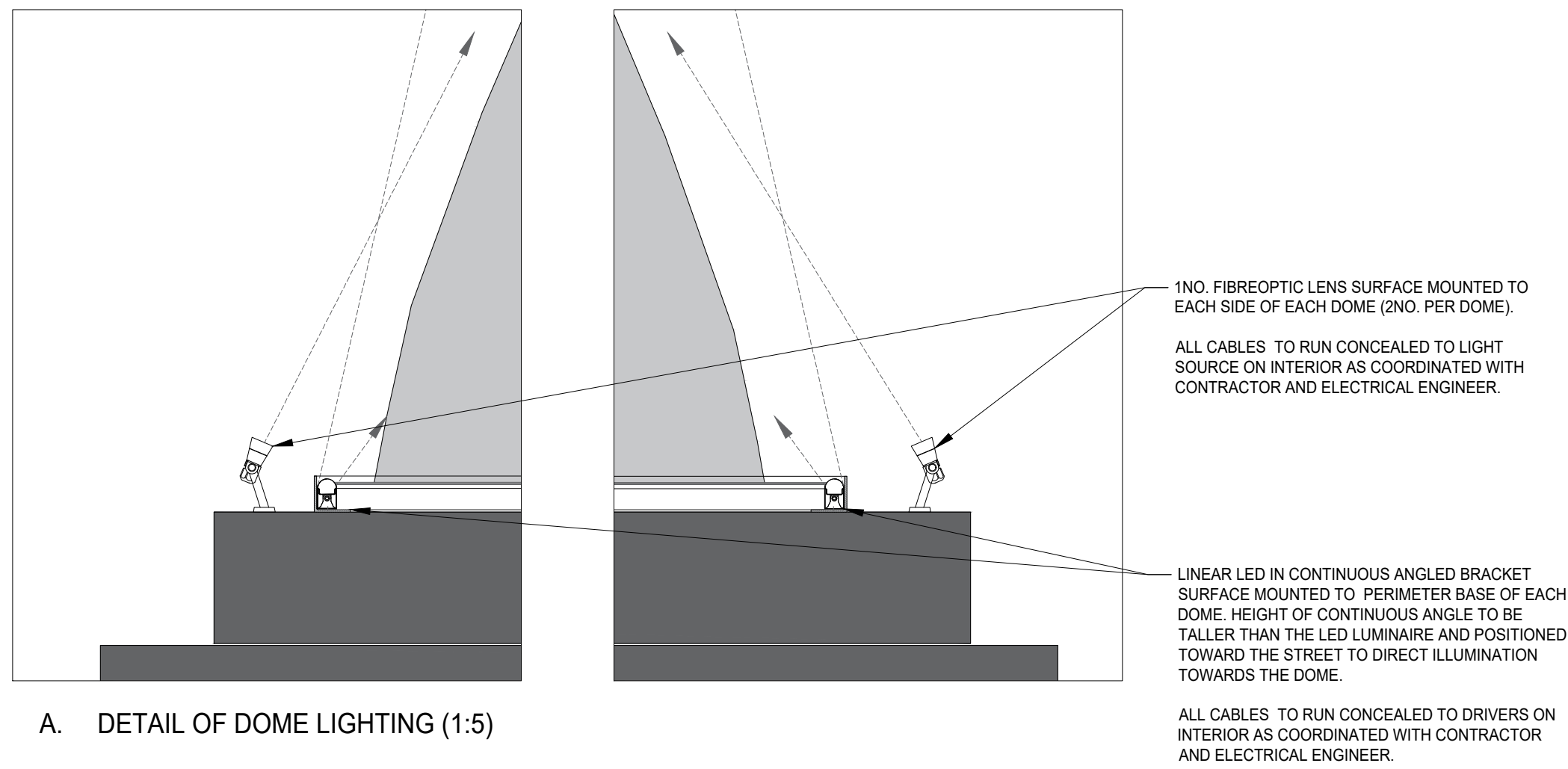
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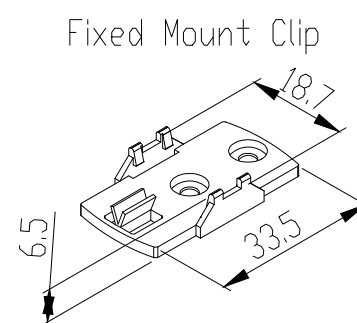
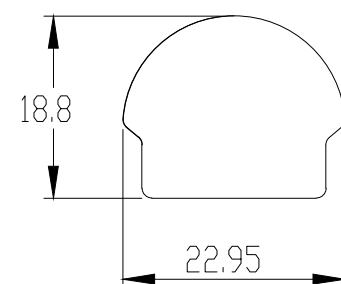
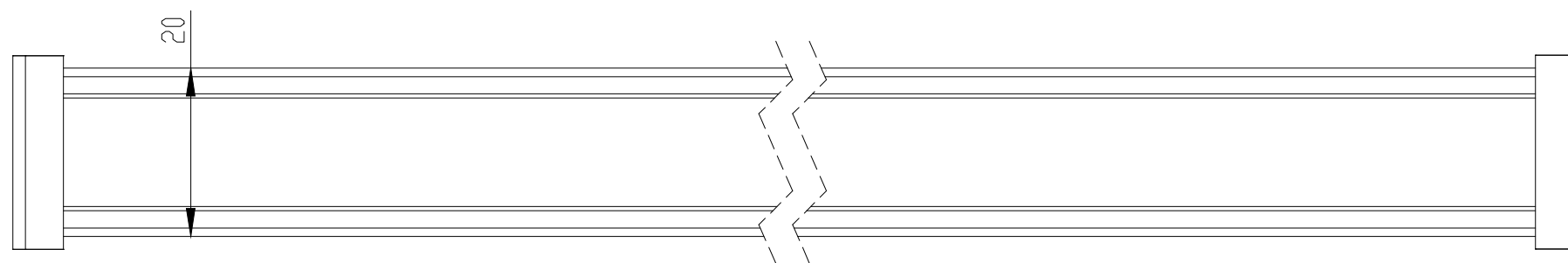
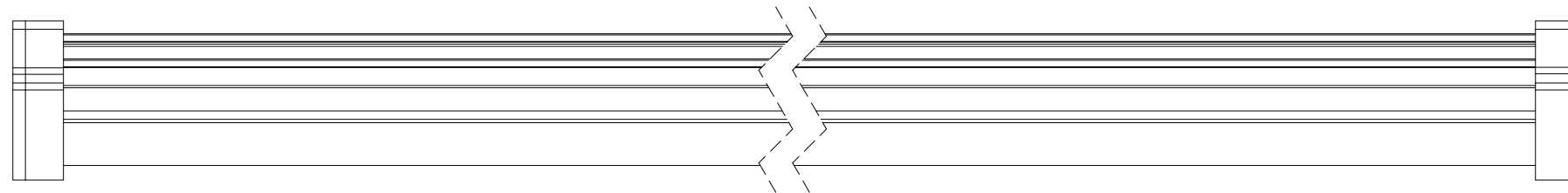
Rev	Description	Date
	 CONSULTING ENGINEERS	
	64a Offley Road, London, SW9 0LS www.orconsult.co.uk info@orconsult.co.uk	

Architect	Anomaly
Project	Sunlight House Performance Design Quay Street Facade Lighting

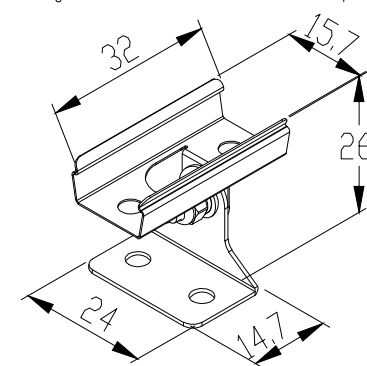
Scales	1:100 @ A0
Drawn by	KR
Date	14/03/2025
Job No.	00542
Drg. No.	542-ORC-XX-00-DR-E-6300
Rev	03

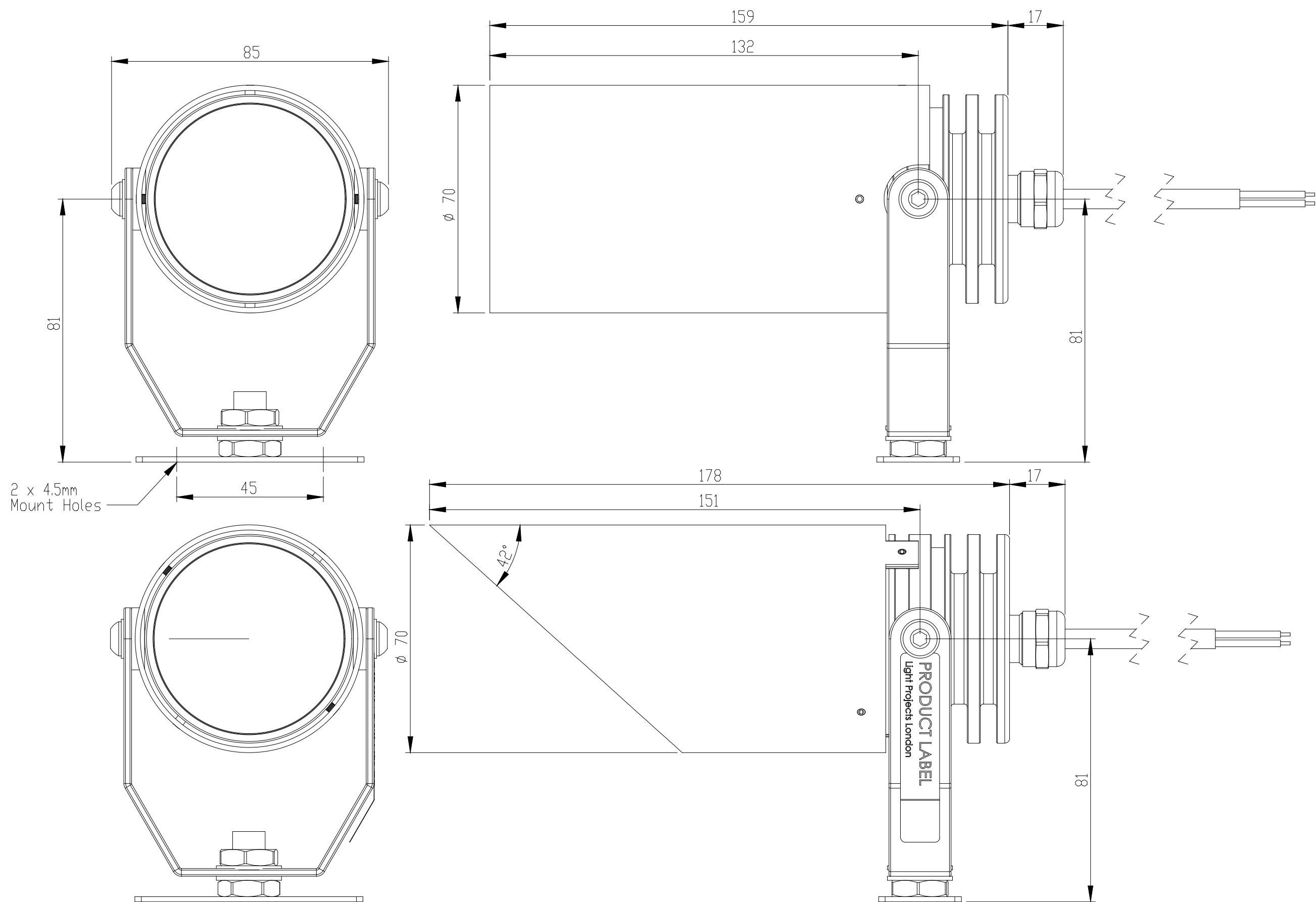


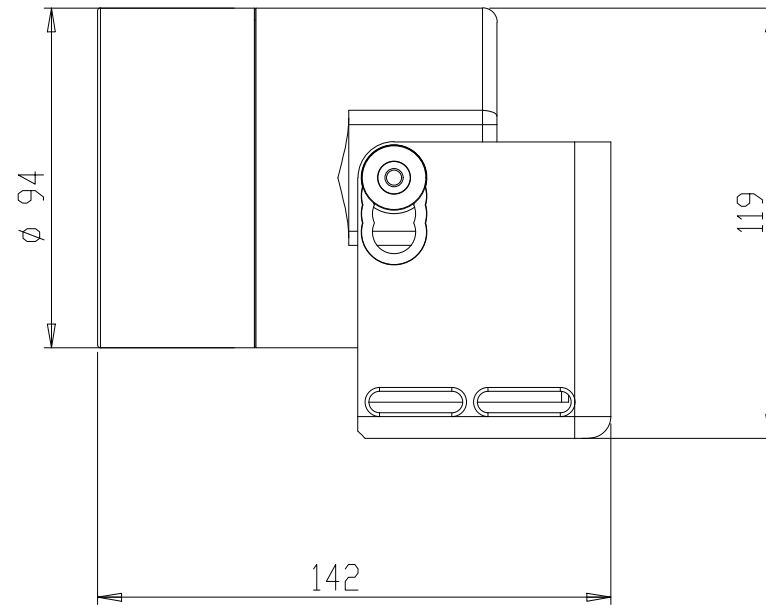
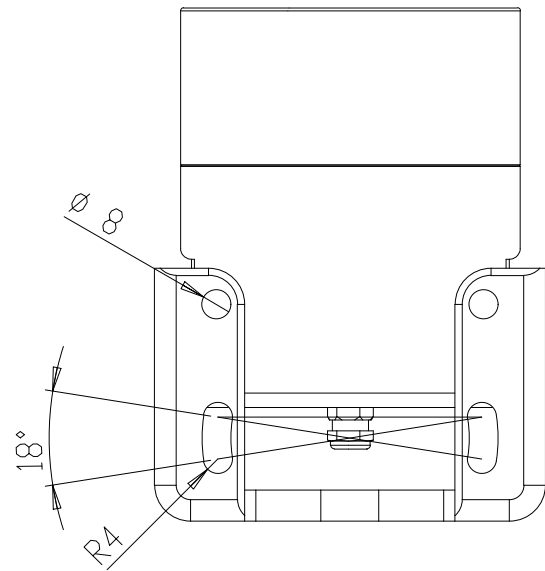
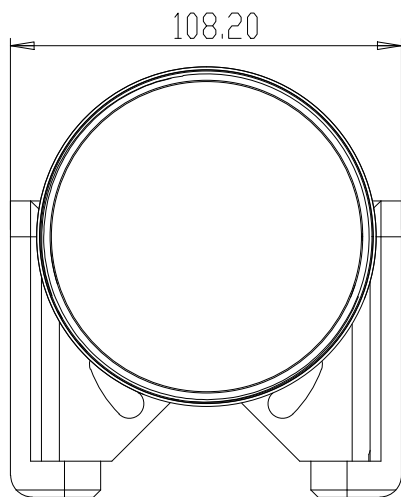
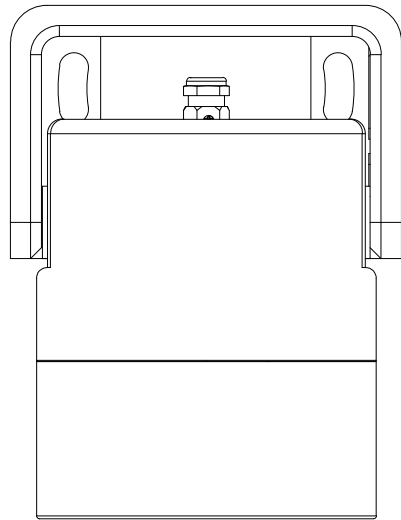
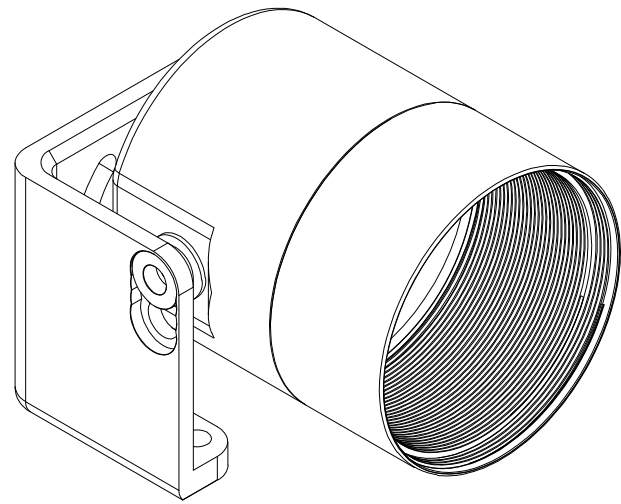
QUAY STREET ELEVATION (1:100)



Adjustable Mount Clip







UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION
							evica™		
	NAME	SIGNATURE	DATE				TITLE:		
DRAWN									
CHK'D									
APPV'D									
MFG							DWG NO. ES12_UPLIGHT		
QA									
							SCALE:1:2		
							SHEET 1 OF 1		

A3

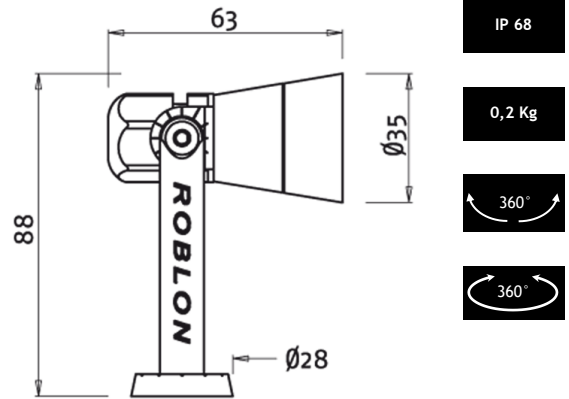
Bee spot



Beespot for indoor, outdoor or submerged use. Fully adjustable in all directions. For accent lighting, decorative effects and wall-washing. For facades, for surfaces large and small, for objects large and small. LED series also available.

Bee spot

- For outdoor use
- Indoor models also available
- Fibre models also available
- Warm white light, natrual white light
- Dimmerable
- Easy to integrate
- Wall mounted



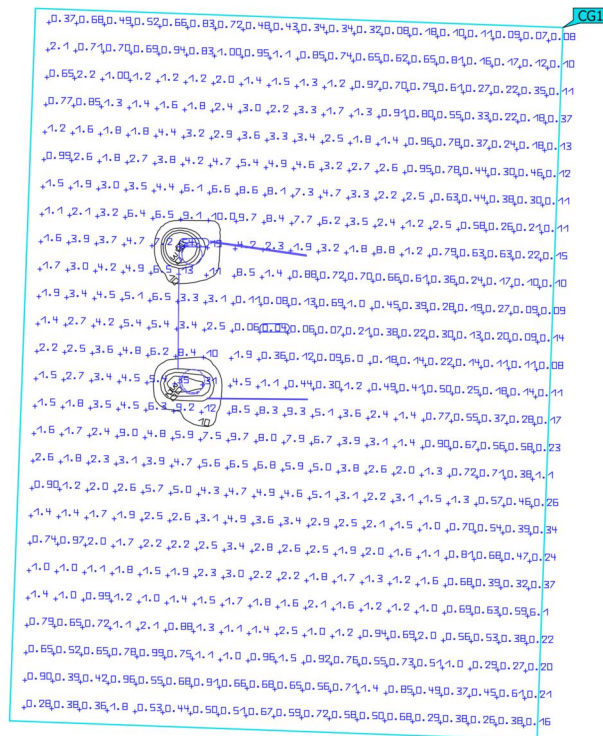
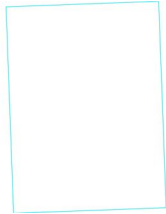
Bee spot



Optics	Ø26 mm lens
Beam angle	Ø3: 12-39° / Ø4.5: 13-40° / Ø6:16-42°
Material	Stainless steel AISI 303
Colour	Grey
Surface treatment	Glassblasted
Tilt	360°
Rotate	360°
Size	63 x 73 x 88 mm
Weight	165 g
Mounting	Surface mounted with screws
Min. tail size	Ø3 mm
Max. tail size	Ø6 mm
Protection rating	IP 68 down to 1 m

	Item no.
Beespot Focus	0313 0000
Beespot Wide	0313 0001
Beespot Max Focus	0313 0005
Beespot Max Wide	0313 0006
Beespot Max Focus, black-Alu.	0313 0015
Beespot XT Focus	0313 0020
Beespot XT Wide	0313 0021
Beespot XT Max Focus	0313 0025
Beespot XT Max Wide	0313 0026
Accessories:	
Bee spot arm	0313 0010

Site 1 (Light scene 1)

60m affl

Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
60m affl	2.28 lx	0.044 lx	54.1 lx	0.019	0.001	CG1
Perpendicular illuminance						
Height: 60.000 m						

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))