

159,161,163 & 165 CAMDEN HIGH STREET, Ref. 2006/0776/P

Attachment for Condition 3

159 - 165 Camden
High Street

Condition 3(b) Weber 210
graphite grey

Render Sample

Neale + Norden Ltd. Architects

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PRODUCTS

Surfaces, TECU® Brass



TECU® Brass is a new material – with a reddish golden surface for impressive new façade solutions using copper.

TECU® Brass is a CuZn15-grade copper and zinc alloy that has been specially designed for use on façades. Weathering changes the original reddish golden colour of the surface in a very lively manner, with each façade developing its own unique characteristics. After the initial matting, the surface takes on a greenish brown tone, which slowly turns grayish brown before evolving into a dark brown-anthracite colour. On sloping surfaces, a uniquely individual patina layer typical of classical copper surfaces develops.

TECU® Brass offers outstanding mechanical abrasion resistance, extremely high corrosion resistance and durability as well as excellent stability and material rigidity. The material can be easily cold-shaped and soft-soldered. Because of its special material characteristics, TECU® Brass is also well suited for large-area applications.

TECU® Brass is an ideal complement to the TECU® product range and can be perfectly combined with the other copper surfaces. TECU® Brass offers without exception all the familiar economic advantages of the TECU® brand name.



- [TECU® Classic](#)
- [TECU® Patina](#)
- [TECU® Gold](#)
- [TECU® Zinn](#)
- [TECU® Brass](#)
- [TECU® Bronze](#)
- [TECU® Gold](#)

TECU® Brass:

- [Sizes and Availability](#)
- [References](#)
- [back](#)

KME Group

159 - 165

Camden High Street

Condition 3 (a)

cladding material

Neale and Norder Ltd.

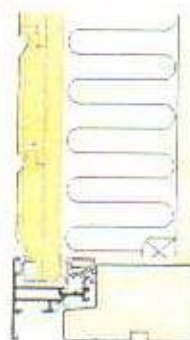
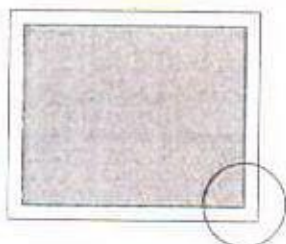
Cedar panel
VELFAC 200

159-165

Carmolen High Street

Condition 3(d)

Timber sample
Weale and Warden Ltd.



Web no.: PA200-C-V-01

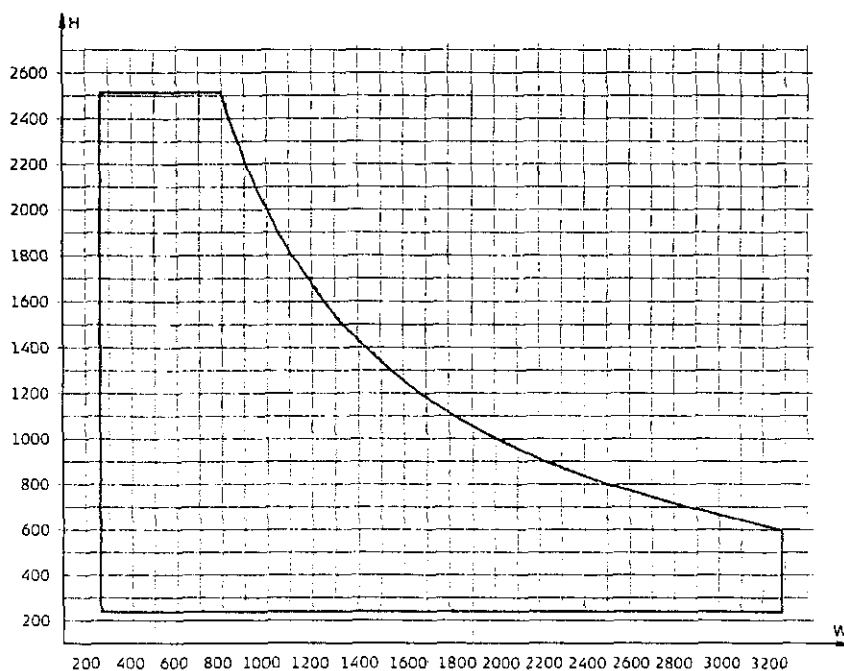
Panel	U _{panel} -value	
	90 mm frame	115 mm frame
24 mm cedar panel	0.34	0.28

Application. Cedar panels can be used to create facades with a distinct colour and texture. The construction consists of a diffusion-open, waterproof plywood panel, clad with Western Redwood Cedar slats which are glued and invisibly screwed to the plywood. Western Redwood Cedar is supplied untreated and naturally weathers over a period of time.

The panel can be supplied with or without a separate internal backboard which can be specified with a veneer or paint finish. Each panel can also accommodate insulation and a vapour barrier which are sourced from another supplier and fitted during installation.

N.B. If Cedar panels are specified at different heights and coupled together, the wood slats may not line up horizontally.

Min./max. sizes



Cedar panel
VELFAC 200

 = Min./max. sizes

Unit No.	EPIC
412	04 1-242
Class	134
	X

Architectural Handrail and Balustrade

CUBE

159-165
Carmolen High St.
Condition 3 (c)
Balustrade Literature

Neale + Nordon Ltd Architects

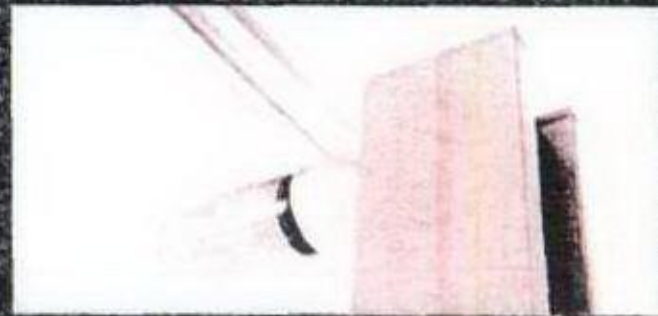
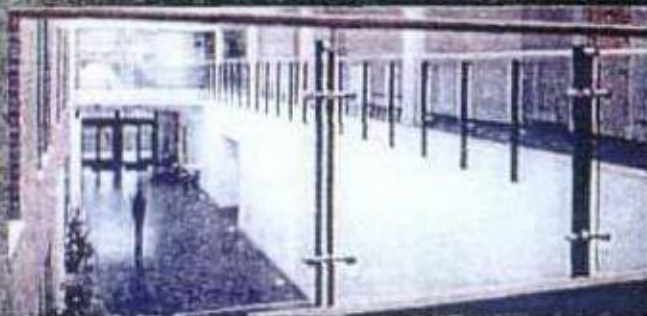
icon

Project Title: University House, Birmingham
Client: The University of Birmingham
Architect: Architect Design Partnership LLP
Principal Contractor: Hayes Construction Limited
Sub-Principal Contractor: HILLAS & CO.

Produced by the Iconic team

Icon

CUBE[®] is the distinctive member of the Icon modular handrail and balustrade product range. The system is derived from the desire to specify an alternative to tubular balusters whilst adhering to the strict philosophy of highly engineered, non-fabricated solutions. The design concept was conceived by pairing extruded aluminium flat bar-uprights and bracing these together by means of unique CUBE[®] components that interlock inside rebates within the inner faces of each section.



The CUBE[®] CUBES have the ability to slot vertically between the twin flats and therefore become anchor points for a variety of component connections, whether this be the handrail, infill panels, intermediate rails or structural fixings to the fabric of the building. Interlocking and unusual transitions are created between subtile elements projecting from within the uprights without any welding or bolted connection through the flats.

The module interface provides a series of standard parts which adjust to any angle and perform multiple functions throughout the system.

Specifications

The twin uprights and CUBES are finished in our NyMet[®] nylon coating and most fixings projecting from these assemblies are produced in Stainless Steel. Handrails are offered in Stainless Steel or natural Hardwood and as upright colours vary for each fixing and type of scheme, our technical department should be consulted for additional guidance when creating project specifications.

Clean Lines

As with all Icon products, Icon CUBE[®] is manufactured as a series of machined or cast fixings, mechanically connected together to create a highly engineered system with precise clean lines between adjoining components. In true Icon tradition, the CUBE[®] system has a sharp, sophisticated appearance, underlined by the presence of unglazed welds as can often imply bespoke fabrications.



Superior Finish

The twin flats used to create the BALUSTADE uprights are produced from extruded aluminium. This material already benefits from an inherently superior surface to that of Mild Steel however this is further enhanced by the application of our unique NyMet[®] nylon coating. Stainless Steel handrails are supplied with a mirror, satin or brushed finish and natural Hardwood handrails are polished and lacquered.

More information on the range and specification of Icon finishes can be found on page 14.

Supplied, Installed

Icon is available internationally on a supply and installation basis as a specialist Architectural Handrail & Balustrade package produced directly by the Client, Developer or Principal Contractor.

Icon on line

Subscribers can compile Icon specifications with the NBS Plus software package or alternatively, standard specification components can be obtained from the website at www.handraildesign.co.uk. It is also possible to download AutoCAD drawings of the system components together with general handrail and balustrade details.

Specifications

Finish Options

Glass	Sights	Size	Detail Options (Page 1273)			Glass Panel	
			Panel/Upcase	Wall Fixings	Upright Fixing	Close	Fixed?
10mm Clear	Upper Glass	100	40, 40, 40	1/2, 1/2	1/2, 1/2, 1/2, 1/2	1/2	10
12mm Clear	Upper Glass	120	40, 40, 40	1/2, 1/2	1/2, 1/2, 1/2, 1/2	1/2	10

10mm Clear

12mm Clear

icon

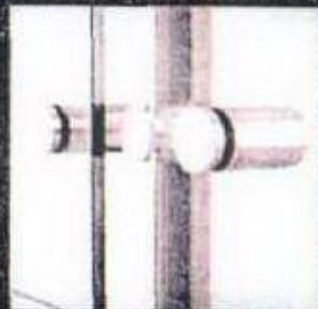
8N/4N/3C/6S/CG

Satin Polished Stainless Steel Upright connected with offset stems to Gun Metal Nylon coated fix fixed twin flat uprights at max 1400mm centres with offset panel holders supporting 10mm thick toughened glass.



6S

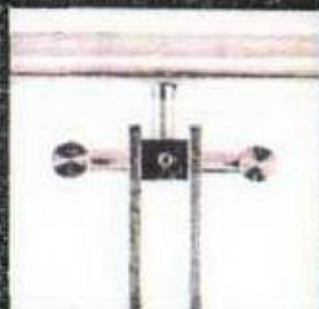
Pin Side Flange



34
Double Offset Panel Holder

10N/4L/3H/6C/2D

Satin Polished Stainless Steel Upright connected with offset stems to Gun Metal Nylon coated side fixed twin flat uprights at maximum 1400mm centres with double offset panel holders supporting 10mm toughened clear glass.



4L
Offset Stem Top&Bottom 1/2 Panel Connector



4L
Offset Stem Top&Bottom 1/2 Panel Connector

Balustrade Perforated Panels

Specifications

Fixed Options

Material	Options	Ref	Fixed Options (Page 12/13)			Fixed Panels in Series
			Vertical Uprights	Horizontal Uprights	Uprights & Rails	
Options of Material - Steel	Polished Stainless	104	41, 41.40	42, 42.40	43, 43.40	404
	Polished Stainless	54	41, 41.40	42, 42.40	43, 43.40	104

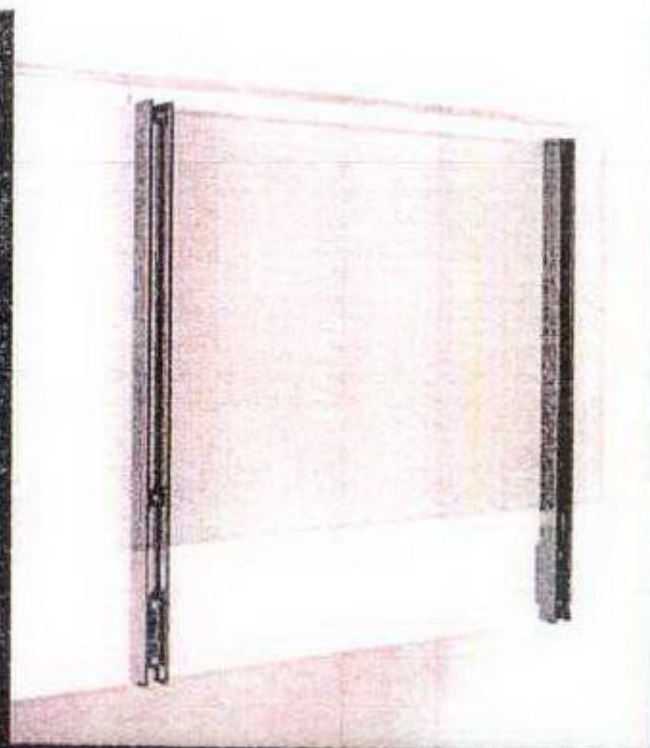
Fixed - 1/2" Spacing

Options of Fixed Panels

Fixed Panels are made of 316L grade stainless steel with 316L grade stainless steel fasteners. Fixed Panels are made of 316L grade stainless steel with 316L grade stainless steel fasteners. Fixed Panels are made of 316L grade stainless steel with 316L grade stainless steel fasteners.

icon

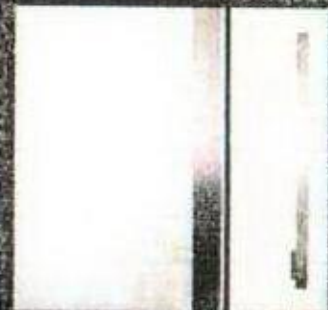
Balustrade
Perforated Panels



HN 4H 5C 6C PC6
Stainless Steel balustrade connected with other stems to Con Metal-Nylite® coated fin fixed twin flat uprights at most 1400mm centres with 3mm thick Nylite® coated 316L steel infill panels.



HN 4H 5C 6C PC6
Polished Maple Hardwood balustrade connected with other stems to Con Metal-Nylite® coated fin fixed twin flat uprights at most 1400mm centres with 3mm thick Nylite® coated 316L steel infill panels.



HN 4H 5C 6C PC6



5C
Single Offset Panel Holder.



4H
Offset Stem Toprail/Single Infill Panel Connector.

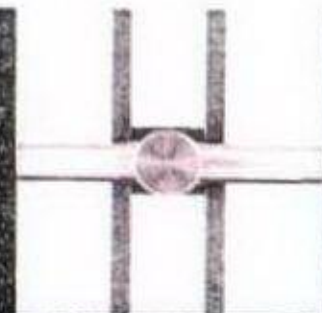
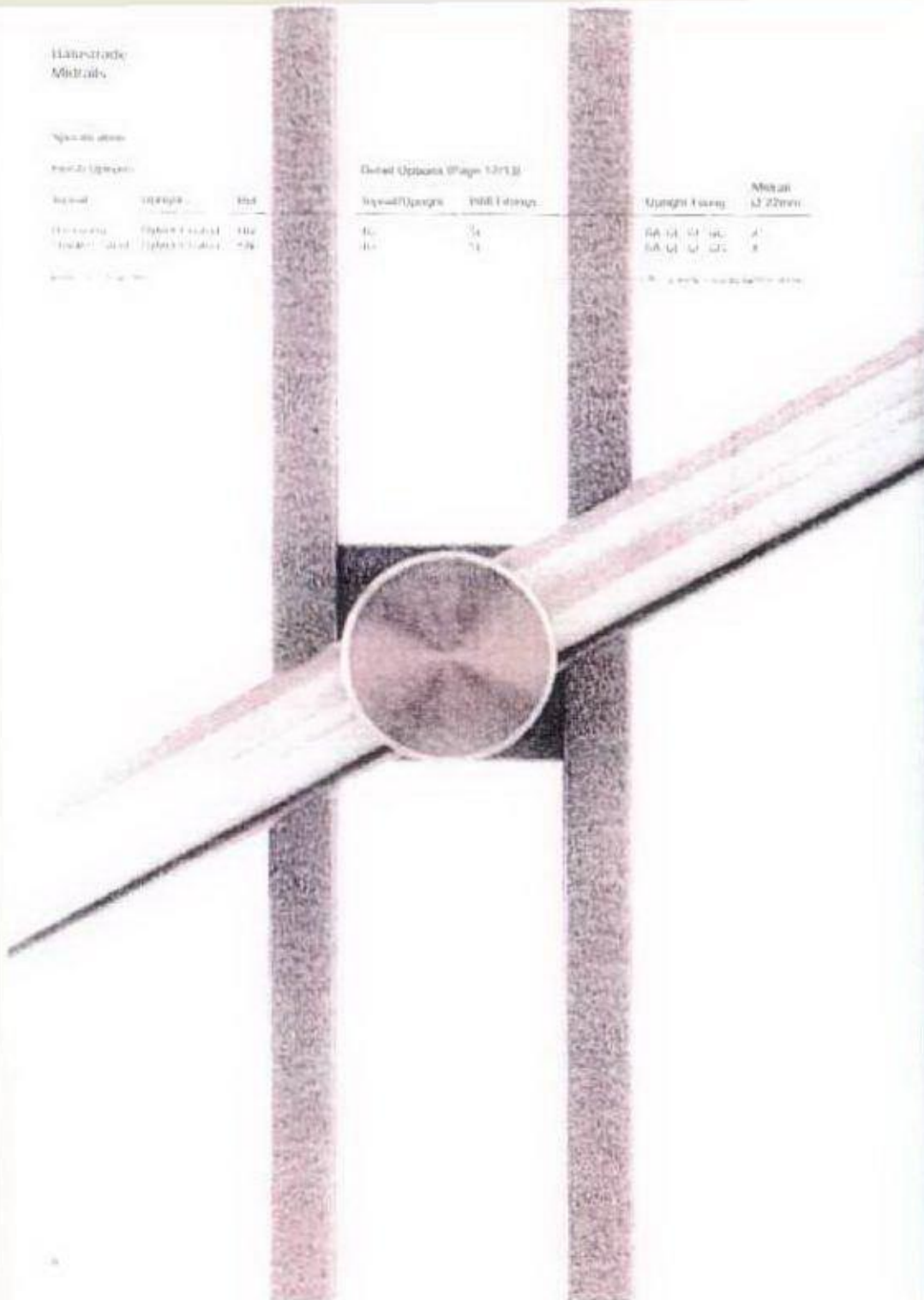


4H
Offset Stem Toprail/Single Infill Panel Connector.

Material	Properties	Notes
Stainless Steel	Options: 1. brushed 2. polished	1. 100 2. 100

Detail Options (Page 12/13)

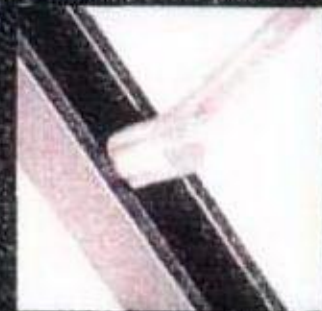
Material/Options	Detail Options	Options/Notes	Material 12/22mm
Stainless Steel	1. 100	SA 100 100 100	1
Stainless Steel	2. 100	SA 100 100 100	2



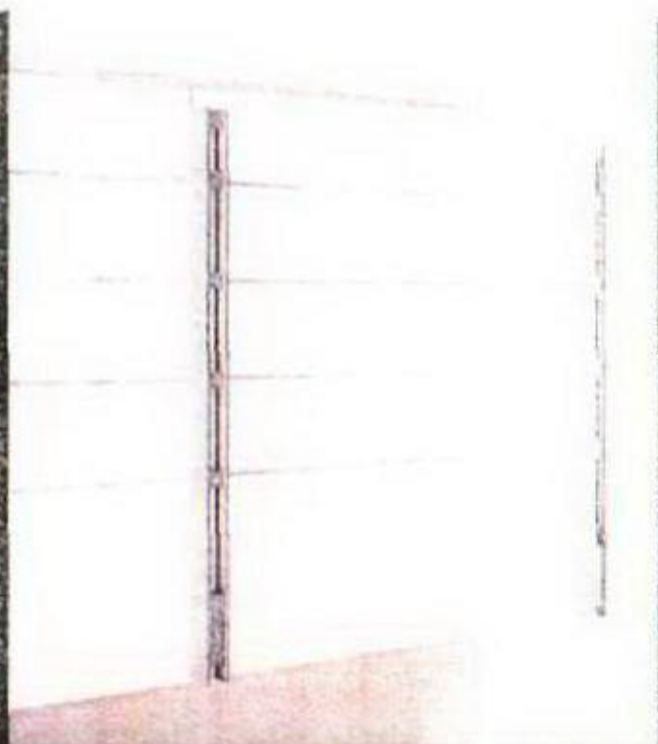
12
Offset Metal - Termination



13
Pin Side Fringe



14
Offset Metal - Termination



15
SA 100, 100, 100, 100
Satin Polished Stainless Steel top rail connected with
offset stems to Tungsten Nylon* coated fix side
Rail even fix uprights at maximum 1400mm centres
with 4 x 22mm diameter offset inside.



16
SA 100, 100, 100, 100
Satin Polished Stainless Steel top rail connected with
offset stems to Tungsten Nylon* coated fix side
Rail even fix uprights at maximum 1400mm centres
with 4 x 22mm diameter offset inside.



17
Offset Metal - Termination

Handrails

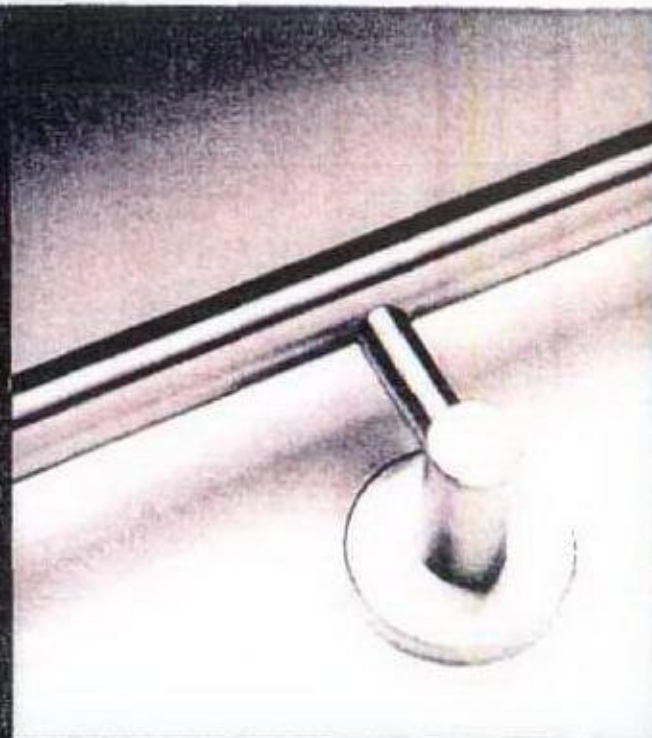
Handrail Specification

Finish Options		Detail Options (Page 13)		
Handrail	Bracket	Ref	Dimensions	Ø mm
Hardwood	Stainless Steel	HS	1C, 1F	50
Stainless Steel	Stainless Steel	SS	1C, 1F	50

In grey without RRP

icon

ELWELL



HS, 1C
Satin Polished Stainless Steel handrail connected at maximum 1200mm centres to Stainless Steel stem brackets with concealed flange.

Opposite **HS, 1C**
Polished American Black Walnut Hardwood handrail connected at maximum 1200mm centres to Stainless Steel stem brackets with concealed flange.

*To match against the wall.



HS, 1C
Polished Cherry Hardwood handrail connected at maximum 1200mm centres to Stainless Steel stem brackets with concealed flange.



SS, 1F
Satin Polished Stainless Steel wallup handrail connected at maximum 1200mm centres to Stainless Steel stem brackets with concealed flange.

Handrail Ends, Bends

Handrails and balustrade systems typically have straight or clipped ends and joints are generally used to change direction whether Stainless Steel or Hardwood is specified. For structural purposes a steel core rail is retained even when Hardwood balustrade systems.

Concealed Fixings

Icon endorses positive detailing and with such emphasis placed on precision it is complementary to fine joinery and bolt heads to be discreetly concealed whenever possible. End caps cover discs and spigots feature in the design of many components to provide a truly safe and secure finish, particularly appropriate for public and educational building applications.

1C Stem Bracket with Concealed Fixings



1F Straight Stem with Concealed Fixings



2A End Cap



2B End with Concealed Fixings



2C End Return with Concealed Fixings



2D Droppoint or Returned End



3A Elbow Bend



3B 90° Pivoted Bend



3C Angled Bend



4G Offset Stem Toprail Connector



4H Offset Stem Toprail/Single Infill Panel Connector



4L Offset Stem Toprail/Double Infill Panel Connector



5C Single Offset Panel Holder



5E Offset Midrail



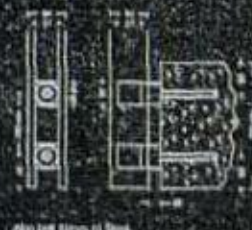
5H Double Offset Panel Holder



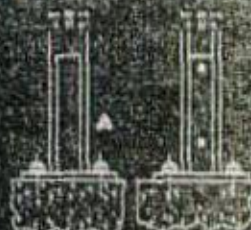
6A Spigot Fixing



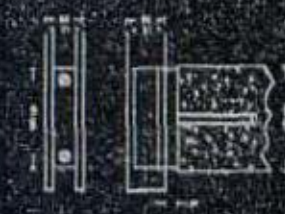
6E Side Fixing



6F Special Top Fixing as Required



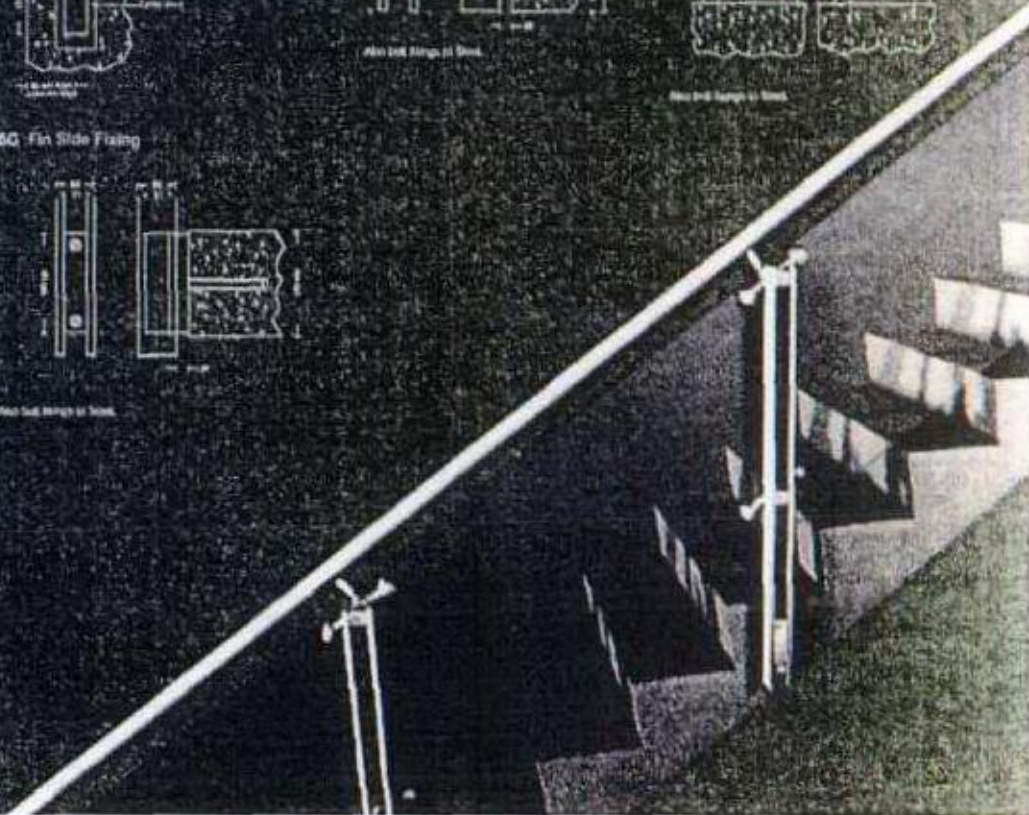
6G Fin Side Fixing



Also See Range of Stairs

Also See Range of Stairs

Also See Range of Stairs



Icon can be tailored to suit the requirements of any interior design concept with options ranging from sophisticated corporate steel finishes through to inviting natural Hardwoods for retail or even residential environments. Whatever the nature of the scheme Icon has a finish, design and specification capable of making a tangible contribution towards the successful execution of the project. As tactile elements of buildings directly influence the occupiers' perception of their surroundings, it is essential to attain a quality finish for high profile fixtures such as handrails.

Nyloflex® Coating

The patented Nyloflex CUBE composite and twin rail uprights are factory finished in the unique Nyloflex® nylon coating. Nyloflex® comprises a three coat system of micro-structurally applied Polymer offering a 150 micron finish which has twice the thickness and 10 times the resistance in abrasion of a typical polyester powder coating. Nyloflex® has flexible properties which prevent the coating from chipping and flaking, whilst retaining resistance to scratches and the finish satisfies all relevant Fire Officer requirements.

Nyloflex® Range

Nyloflex® is generally applied as a semi gloss finish and is available in an exclusive range of metallics together with black and white as the primary range of options. Standard RS or RAL colours can be supplied and even special order colours or metallics can be formulated upon request.

Stainless Steel

The handrails, uprights and associated brackets are produced in 304 grade Stainless Steel for internal use and 316 grade for external applications. A refined, brushed satin finish is consistently applied to certain components whereas others are fully polished.

Natural Hardwoods

Icon CUBE offers a contemporary selection of factory polished and lacquered Hardwood handrails as standard. Other species can be considered upon request and all Hardwoods used for Icon handrails are supplied from sustainably managed sources.

Twin Uprights and CUBE™



Handrails



Duke of York's Headquarters

Project Title: Duke of York's Headquarters, London
Client: Collogon Estates Limited
Architect: Paul Davis & Partners
Principal Contractor: PWA Interiors Limited
Consulting Surveyor: The Trade Floor, Partnership
Icon Specification: ICH FGLSE 87.347

Photographs by John Farnham

Nyloflex® coated twin rail handrails and uprights in special work. Their components are supported in stainless steel as supports.





055

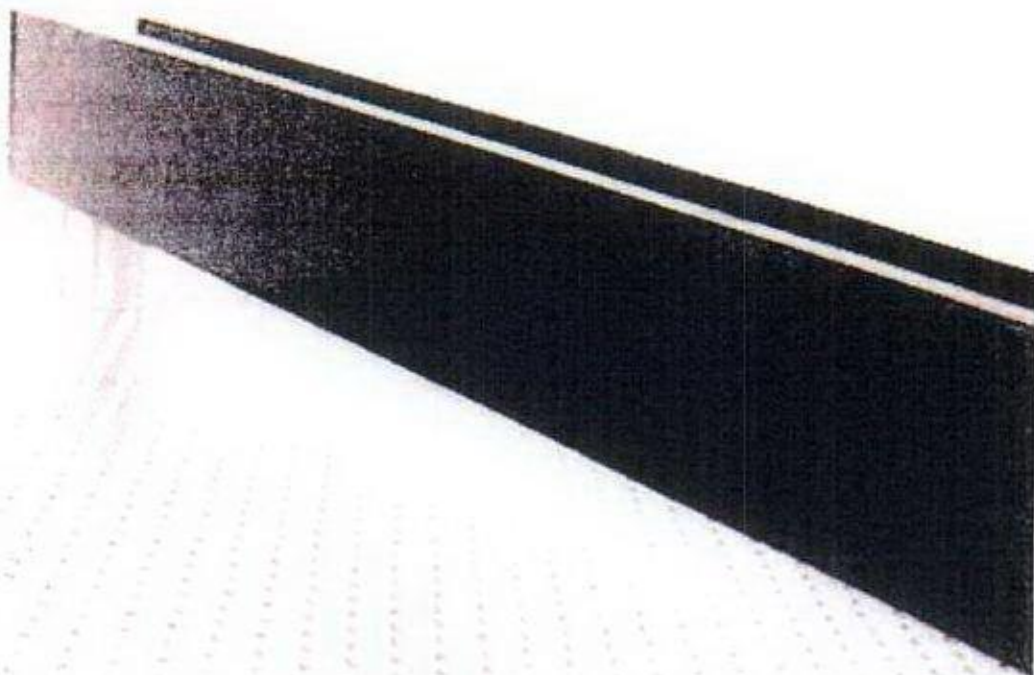
Handrail Design Limited

Sail & Color Loft, Historic Dockyard, Chatham, Kent, ME4 4TE

Tel: +44 (0)1634 817800 Fax: +44 (0)1634 817711

E-mail: info@adq4.com or adq4@cs.uk

www.handreides.qn.co.uk



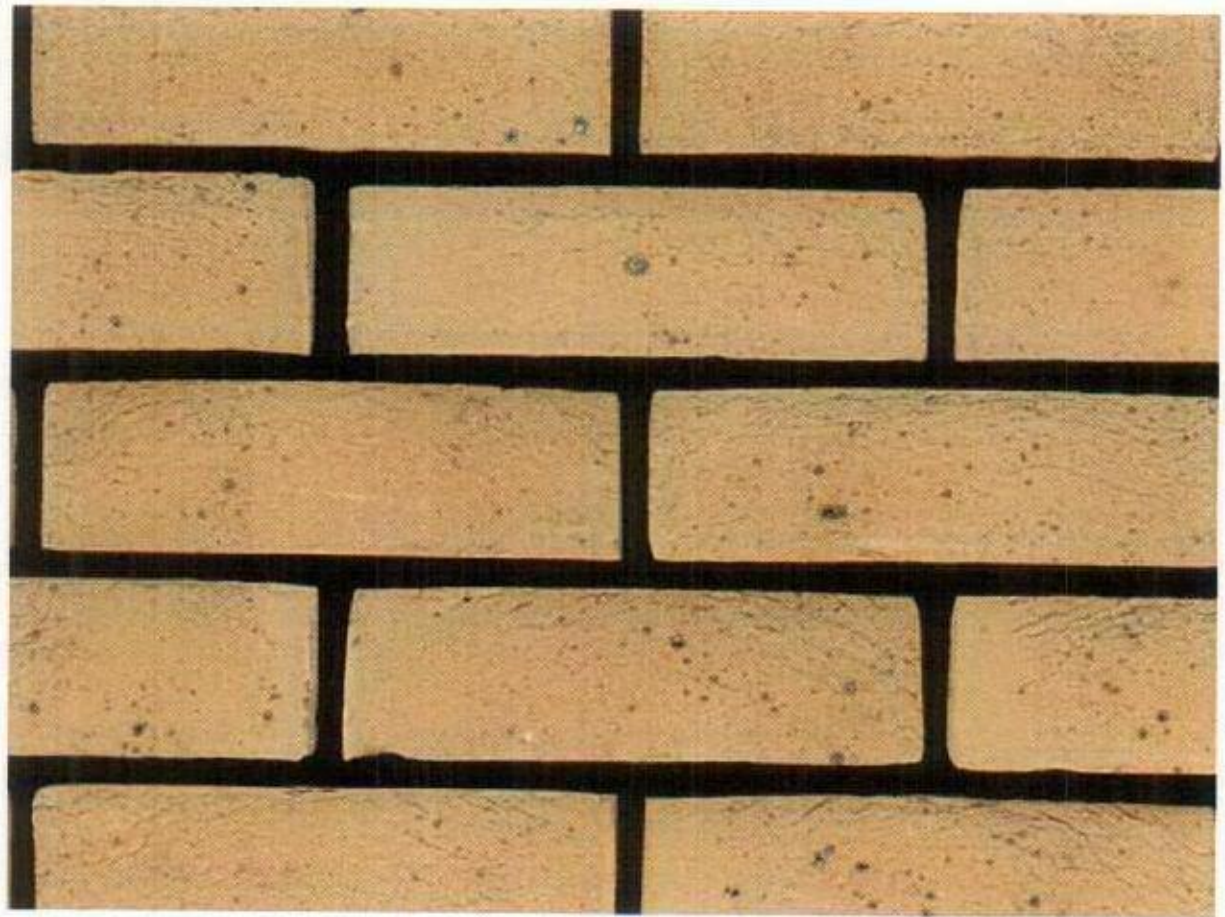
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$$= \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \text{for } \text{Pr}(\text{H}) = \text{Pr}(\text{D}) = \text{Pr}(\text{C}_{\text{correct}}) = \frac{1}{2}.$$

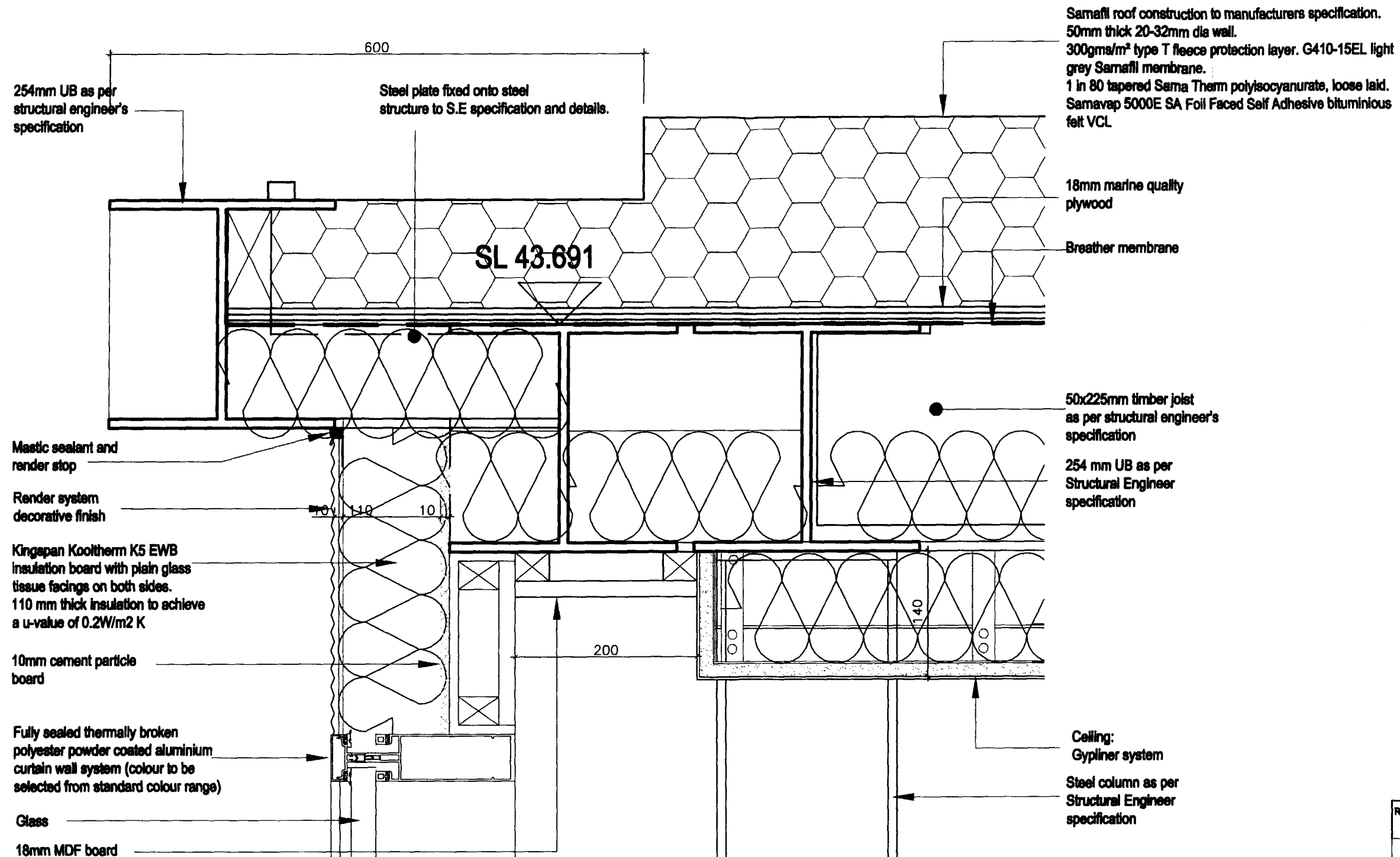
$\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{4}$

icon

IPSTOCK London yellow multi stock



FOR TENDER



Rev A	17-7-08	Drawing updated. Tens coated stainless steel roof cladding omitted
19-23 WHITE LION STREET LONDON N1 9PD TEL: 020 7843 1800 FAX: 020 7843 1801		
LIMITED		
Job 159-165 CAMDEN HIGH STREET		
Client S PATEL		
Title ROOF DETAILS		
date MARCH 08	scale 1:50A3	drawn CM
job no 048604	drawing no A301	revision A