DESIGN & ACCESS STATEMENT

Philips Building
SOAS University of London

Refurbishment of 5th Floor Corridor

January 2024

TERMS OF REFERENCE

This Design and Access Statement has been prepared by Neville Bruton Design on behalf of the School of Oriental and African Studies (SOAS), to support an application for listed building consent for essential interior refurbishment works to the Grade II* Philips Building, SOAS University of London, Thornhaugh Street, London, WC1H 0XG.

It should be read in conjunction with other application documentation.

VISION & OBJECTIVES

The application for listed building consent is in relation to the SOAS Grade II* listed Philips Building, situated within the Russell Square, University of London campus, which sits within the Bloomsbury Conservation Area.

The proposals include essential refurbishment works to interior circulation areas of the 5th floor. The works build on the recently completed refurbishment works undertaken within the 2nd, 3rd and 4th floor corridor areas, covered under listed building consent 2022/5402/L (18 April 2023).

The proposed works comprise:

- Replacement of perforated metal suspended ceiling tiles
- Replacement of interior doors
- Replacement of flooring
- Redecoration of walls, doors, architraves, and skirtings
- Upgrading existing lighting, fire & security infrastructure
- Fire stopping
- Removal of redundant services within ceiling voids
- Reinstatement of corridor area (P596A) by removal of later addition blockwork and reinstating the corridor/office blockwork wall where broken through from area P596.

The proposals do not seek to increase the building's area or introduce significant changes in design or material finish.

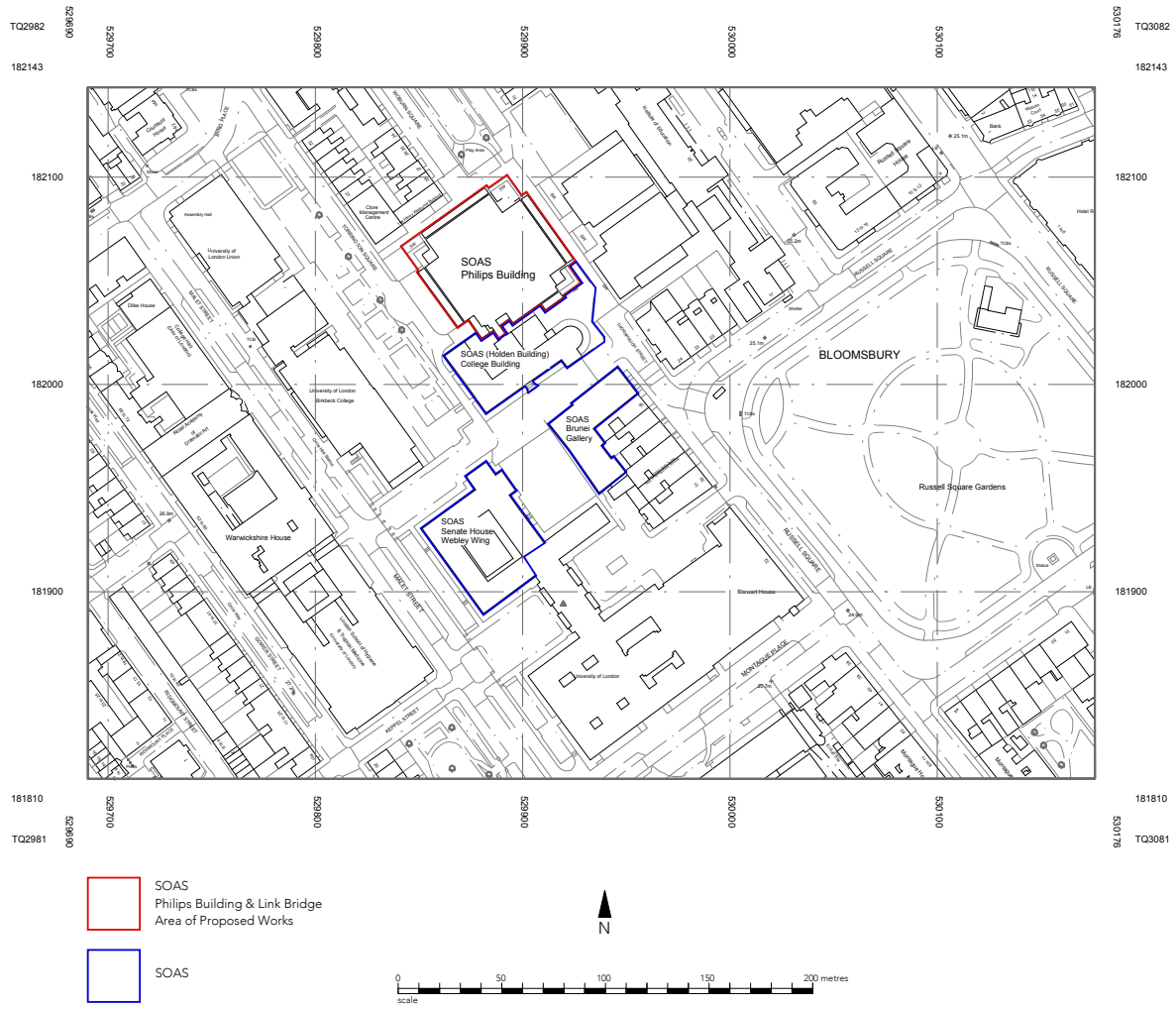
SOAS are committed to the preservation of its listed assets. The challenge is to design and specify a scheme which respects the integrity and maintains the preservation of the building.

BACKGROUND

The Grade II* Philips Building forms part of the SOAS central London campus, associated to the University of London and includes, the (Holden Building) College Building (Grade II), the Brunei Gallery, the Paul Webley Wing of Senate House (Grade II*), which sit within Sub Area 3 of the Bloomsbury Conservation Area and 53 Gordon Square (Grade II), which sits within Sub Area 2 of the Bloomsbury Conservation Area.

Please refer to the accompanying Heritage Statement for further detail

Location Plan



SOAS is home to leading research and expertise on the global issues of today. Students engage with academics on these issues throughout their study.

It is uniquely placed to inform and shape current thinking about the economic, political, cultural, security and religious challenges of our world.

Its decolonial outlook on education allows it to strive for a more equal and just world through its teaching and research. It is committed to building bridges within the global communities and forging equitable global partnerships.

It challenges perspectives, broaches debate, and empowers its students to question the global status quo and find solutions to the issues facing the world today.

Its programmes are taught by respected international academics with inter-disciplinary expertise. These scholars are engaged in fieldwork and research that influences governments, industries and communities across the world.

SOAS has a very diverse student base, from over a hundred different countries, and has a number of unique courses.

SOAS cater for approximately 6,145 students on campus with a further 2,140 off campus/distant learning students – Supported by 1,010 academic and professional services staff.

The Philips Building houses one of only five National Research Libraries in the UK, with over 1.5 million volumes, periodicals and audio-visual materials in 400 languages, focusing on Asia, Africa and the Middle East. It also provides teaching rooms, academic and administration offices and welfare facilities.

A full overview of the SOAS offer can be viewed at: https://www.soas.ac.uk

DESIGN BRIEF
The design brief issued by SOAS sets out their aspirations as follows:

SOAS propose to undertake essential interior refurbishment works. After fifty years of increased occupation, the primary focus of the proposals is to address deteriorating finishes within the main circulation routes servicing the administration and teaching areas of the 5th floor of the Philips Building and to undertake necessary fire stopping and service infrastructure works, which will be temporarily exposed by the scope of proposed suspended ceiling replacement works.

The aim of the project is to extend to the 5th floor, corridor refurbishment works recently completed on the 2nd, 3rd & 4th floors (reference 2022/5402/L) ensuring the buildings long term and continued viability, by maintaining its assets through suitable and compliant interventions providing long-term and sustainable environments for its students and staff, which are fit for contemporary purpose and showcase the university and its facilities.

DESIGN APPROACH
The design approach has been based on the following principles:

- To sustain the significance of the listed building
- To maintain the viable use of the building
- To find solutions that do not adversely impact on either the interior or exterior of the building or its context within the site.
- To undertake modifications and repairs in a sensitive way, respecting the integrity of the original fabric with sympathetic use of new materials and finishes

POLICY CONTEXT
The proposals have been developed with reference to:

- English Heritage 'Conservation Principles, Policies and Guidance' 2008
- Planning (Listed Buildings and Conservation Areas) Act 1990
- National Planning Policy Framework 2021

- Camden Core Strategy 2010-2025 'Policy CS14 – Promoting high quality places and conserving our heritage
- Bloomsbury Conservation Area Appraisal and Management Strategy – Adopted 18 April 2011

Please refer to the accompanying Heritage Statement for further detail

DESIGN PRINCIPLES

The design proposals covered within this application provide a uniform approach to the refurbishment of the 5th floor corridor area by building on the previous consent 2022/5402/L, covering the refurbishment of the 2nd, 3rd & 4th floor corridor areas of the Philips Building.

The design proposals have been progressed through various studies, discussions and consultations with the SOAS and have been subject to further discussions, consultations and design amendments as the project has proceeded through the preparation of the listed building consent application.

The final design proposals show what can be summarised as the maximum change envisaged, taking into account the ambitions of the brief, the limitations of altering a listed building, the sensitivities of the site and the target costs.

The primary focus of the proposals is to address worn, damaged and deteriorating interior finishes to the main circulation corridor areas of the 5th floor and to upgrade the localised infrastructure (lighting, fire control, etc.) and ensuring statutory fire compliance through the upgrading of doors and undertaking building fabric fire stopping.

The layout of the building is to remain unchanged and the proposed works will not have an impact on the building and its surrounding environment.

USE

The use of the building will remain the same

APPEARANCE

It is hoped that the proposed works will have a positive impact on the appearance of the interior of the building. The potential impact the proposed work will have, is detailed within the section 'Statement of Justification' later in this document.

ACCESS

The proposed scope of works to the interior of the building do not represent a material change of use so do not require the wholesale upgrading of the building to comply with The Building Regulations Approved Document Part M except where material alterations are made, however the Equality Act 2010 and the Equality (Disability) Regulations 2010 requires service providers to make reasonable adjustments to any physical features that might put a person with a disability at a "substantial disadvantage".

Primary access to the Philips Building is via the College Building and the Link Bridge connection. There is both stepped and ramped access with intermediate landing points to the main entrance of the College Building, with step free access also available to the rear of the College Building. Both entrances offer lift access to upper floor levels and the Link Bridge to the Philips Building.

The Link Bridge connection between the College Building and Philips Building has a shallow ramped floor, the double leaf fire doors at the head of the ramp are fitted with magnetic hold opens with fail release under fire condition.

SOAS do not propose to structurally alter any of existing access points as part of the proposals under this application.

EXISTING LAYOUT & FINISHES

The circulation corridor route of the 5th floor follows the perimeter core of the building and provides access to teaching rooms, administration offices, welfare facilities, lifts and staircases.

At 5th floor level there is no Link Bridge connection to the College Building.

A photographic survey showing the area of proposed refurbishment is included within Appendix A of this document, which is included to illustrate and record the current condition of the area.

Appendix B provides reference photographs showing examples of the refurbished corridor areas of the 2nd, 3rd & 4th floors.

EXISTING CEILINGS

Ceilings throughout the corridor areas are primarily white powder coated perforated steel suspended 54" x 12" ceiling tiles (with reduced width versions, 43" x 12", being installed within the narrower dead-end areas of the corridor), providing a service void above for mechanical and electrical services, with later additions of MF suspended plasterboard ceiling area infills.

Later addition roughly applied plaster render has been installed directly to the ceiling slab within window soffit areas at the end of each corridor run.

Areas of the installed perforated ceiling tiles are badly distorted through regular requirements to gain access to the service void above and have also degraded over time, showing signs of corrosion due to water leaks from overhead pipework.

Please refer to the below listed drawings for details of the current installations:

- SOAS-PB-L5-001P Fifth Floor Plan - Existing Corridor Ceiling (1:100 @ A1)
- SOAS-PB-L5-002P Fifth Floor General Detail - Existing Corridor Ceiling (1:20 @ A1)

PROPOSED NEW CEILINGS

A new suspended ceiling system is proposed to be installed throughout the 5th floor corridor area at the same height as that proposed to be removed, providing ease of access to horizontal service runs above as well as offering increased acoustic benefits.

New areas of MF suspended plasterboard ceiling are also proposed to form margins to the suspended tile installation and to finish soffit areas where the grid system would not be suitable to achieve an acceptable level of finish.

The proposals utilise the same ceiling system as installed within the recently completed 2nd, 3rd & 4th floor corridor areas (consent 2022/5402/L), comprising a lay in tile system (SAS 320), 1200mm x 300mm and 950mm x 300mm white powder coated (RAL 9016 Traffic White, 20% gloss), perforated metal tiles with unperforated perimeter boarder. The proposed perforation pattern (D2414) closely mirrors that of the existing tiles. Tiles are contained within edge trims installed between new plasterboard margins, running along either side of the corridor.

The proposed system is installed without the need for grid suspension, enabling tiles to abutt each other, providing ease of tile removal and clear access to services above.

Appendix C provides detail of the proposed SAS 320 ceiling system.

Please refer to the below listed drawings for details of the proposed installations of new SAS 320 and MF plasterboard ceiling installations:

- SOAS-PB-L5-010P Rev A Fifth Floor Plan - Proposed Corridor Ceiling (1:100 @ A1)
- SOAS-PB-L5-011P Rev A Fifth Floor General Detail - Proposed Corridor Ceiling (1:20 & 1:5 @ A1)

EXISTING DOORS

- Office and Teaching Room Doors:
  Flush panel single leaf doors with paint finish

- Later Addition Office and Teaching Room Doors:
  Flush panel single leaf doors with overhead panel all faced in plastic laminate

- Mid Corridor Fire Doors
  1½ leaf flush panel oak veneered doors with vision panel to main leaf

- Stair Doors
  Double flush panel cherry veneered doors with vision panels

- Service Riser Doors
  Flush panel doors with painted finish

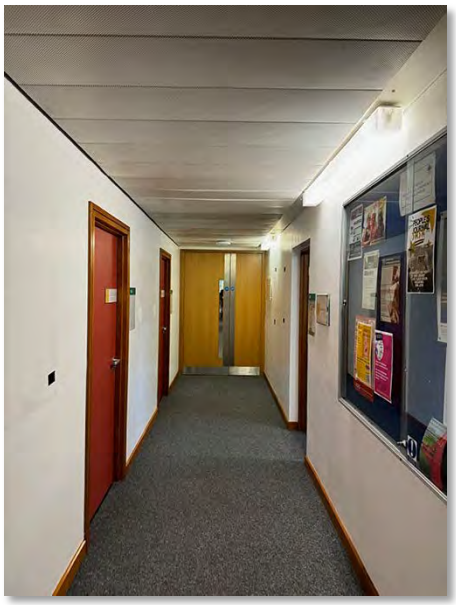
PROPOSED DOORS

- Office and Teaching Room Doors:
  Doors to be replaced (including later addition plastic laminate faced doors & overhead fixed panel) with new SOAS Fire Strategy compliant FD30 plywood faced flush panel doors, finished with a Dulux tinted 'red' teak varnish to colour match existing and retained skirtings and architraves.

Existing

Proposed

- Mid Corridor Fire Doors
  1½ leaf flush panel oak veneered doors with vision panel to be replaced with new compliant FD30 fire doors with fire rated colour vinyl wrap finish.



Existing

Proposed

- Stair Doors
  Double flush panel cherry veneered doors with vision panels to be retained

- Service Riser Doors
  Flush panel doors with painted finish to be retained and redecorated

EXISTING DOOR FRAMES, ARCHITRAVES & SKIRTINGS
Existing door frames, architraves and skirtings are lightly stained and sealed solid oak. The finish is looking tired and requires some remedial refinishing works.

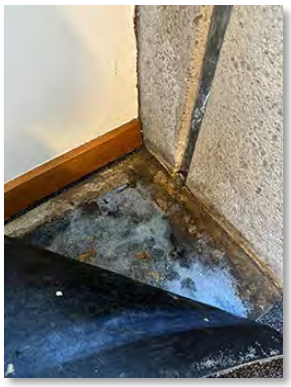
PROPOSED WORKS TO ARCHITRAVES, DOOR FRAMES & SKIRTINGS
It is proposed that only the minimal works will be undertaken and will involve repairs and replacement of damaged or missing sections to match existing adjacent materials and finishes. Areas will be lightly sanded back to enable a light stain wash to be applied with a clear lacquer finish to achieve a like for like match with adjacent finishes.

EXISTING RENDERED WALLS & PLASTER CEILING AREAS
It is proposed that the existing decorated finish of white emulsion to the rendered wall areas and plasterboard ceiling areas be redecorated in washable, flat matt white emulsion.

Areas of both retained and new plasterboard ceiling to be decorated as per the walls.

LATER ADDITION PARTITION - ROOM P596 & P596A
It is proposed that the later addition blockwork wall installed across the width of the corridor, forming Room P596A (refer to drawing: SOAS-PB-L5-001P) be carefully removed and the area reinstated as corridor. The later opening formed in the blockwork wall between Rooms P596 & P596A is proposed to be infilled with new lightweight blockwork with plaster finish flush with adjacent surfaces, new sections of skirting will be installed and finished to to match existing adjacent.

EXISTING FLOORING – MAIN CORRIDOR AREAS
The floor construction throughout the building comprises of a solid concrete slab over which, in corridor areas on the 5th floor, carpet tiles have been directly bonded (as photographs below). There is no evidence of original linoleum or cork tiling having been retained within the 5th floor corridor area.



PROPOSED NEW FLOORING – MAIN CORRIDOR AREAS

It is proposed to install new carpet tiles within the main corridor areas of the 5th floor. These will match the new carpet laid within the 2nd, 3rd & 4th floor corridor areas. Whilst not a floor finish originally installed within the building's circulation routes (carpet tiles are however used widely throughout the buildings office, learning and library areas) their use has merit in that it provides a more contemporary and less institutionalised environment with added benefits of ease of lay, replacement, durability, and acoustic performance for circulation areas with a heavy pedestrian footfall.

Proposed Materials:

- Marling Terrain heavy traffic 50 x 50cm tufted nylon loop carpet tile, colour Glacier – Pattern: Random

Appendix D provides detail of the proposed flooring materials.

EXISTING LIGHTING

Existing lighting installations are a combination of linear fluorescent luminaires with cover reflectors installed to the inner core wall of the corridor areas along with bulkhead fluorescent luminaires within the dead-end areas of each corridor run.

PROPOSED LIGHTING

New lighting installations will be designed to be functional in use, to aid safe movement and provide compliant lighting levels and colour rendering applicable to specific area activities. Installations will generally utilise high quality colour temperature matched LED luminaires to minimise both energy consumption and heat gains to spaces.

It is proposed that microwave sensor-controlled surface mounted linear LED downlights with integral emergency fittings where required, be installed to the perimeter of the inner core corridor wall and corridor dead legs as shown on the accompanying planning drawings.

Appendix E provides details of proposed lighting

PROCUREMENT

The proposed work will be procured by means of competitive tendering, with drawings and specifications and schedules of work. This process is important in order to maintain cost control within budgetary constraints and retain control over design quality, especially within the context of work to a listed building.

To comply with procurement policy 'equal and approved/equivalent' is required to be adopted during tendering of services, products and equipment. Details contained within this application therefore forms the basis of design intent and minimum performance requirements for the project.

STATEMENT OF JUSTIFICATION

The following issues have been considered during the preparation and development of the proposals.

- The importance of the building and its intrinsic architectural and historic interest on both a national and local level

  The building forms part of the University of London campus which is an important and recognisable local landmark within Camden and which is recognised nationally. The building has architectural associations with Denys Lasdun, as mentioned earlier and within the accompanying Heritage Statement.

  The proposals will not impact on the buildings intrinsic architectural or historical interest.

- Setting and contribution to the local scene

  The elements of the proposed works will have a positive impact on the interior of the building but will not impact on the buildings setting and contribution to the local scene.

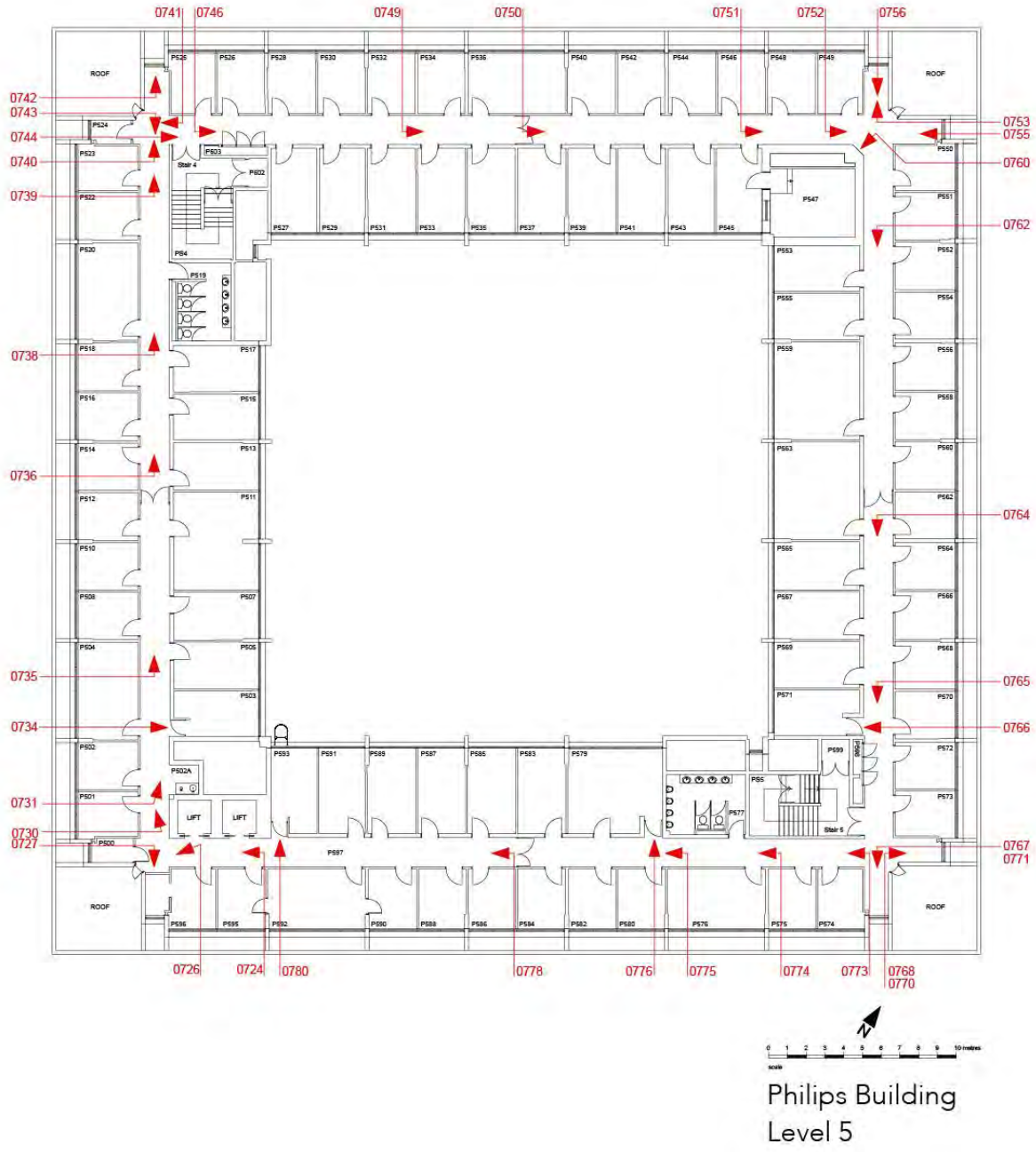
- Substantial benefits to the community
  The proposed works are such that they will not bestow any additional benefits to those already provided to the local community or economic regeneration of the area.

  The maintenance and repair of the building however illustrates the continued investment and care by the SOAS of a locally important building.

APPENDIX A
Philips Building
Photographic Survey – 5th Floor Corridor Areas

FIFTH FLOOR PHILIPS BUILDING

KEY
Photo Survey of Circulation Areas



Philips Building
Level 5

FIFTH FLOOR CORRIDOR AREAS – Generally Comprisng:

FLOOR AREA
- Main corridor 274 SQM

WALLS & FINISHES
- A reinforced concrete frame of in situ concrete and interlocking structural pre-cast concrete panels with a white cement and Ballidon limestone aggregate mix, with a grit-blasted finish
- The interior concrete service core, has a fair-faced horizontal close boarded finish
- Interior corridor walls, decorated rendered blockwork

DOORS, FRAMES, ARCHITRAVES & SKIRTING
- Painted flush panel doors, colour coded red for floor level
- Natural finished oak doorframes, architraves, and skirtings

CORRIDOR & STAIR FIRE DOORS
- Corridor fire doors - Contemporary additions, 1 ½ leaf flush panel oak veneered doors with vision panel in full leaf, with clear lacquer finish
- Stair fire doors - Contemporary additions, double leaf flush panel cherry veneered doors with vision panels, with clear lacquer finish

FLOORING
- Carpet tiles bonded directly to the concrete floor slab

CEILING
- 53" x 12" and 43" x 12" perforated steel suspended ceiling tiles with single steel panel boarder to the internal core side of the corridor

- MF suspended plasterboard within tea point and within later addition recessed doorways

LIGHTING
- Linear fluorescent luminaires with cover reflectors positioned within ceiling border running to internal core side of ceiling

IMG_0724
Area outside lift doors

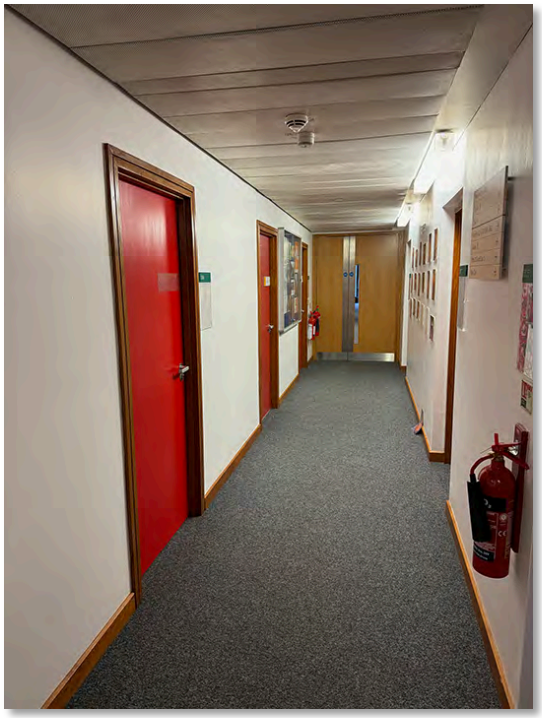
IMG_0726

IMG_0727
Area of ceiling slab above suspended ceiling

IMG_0730

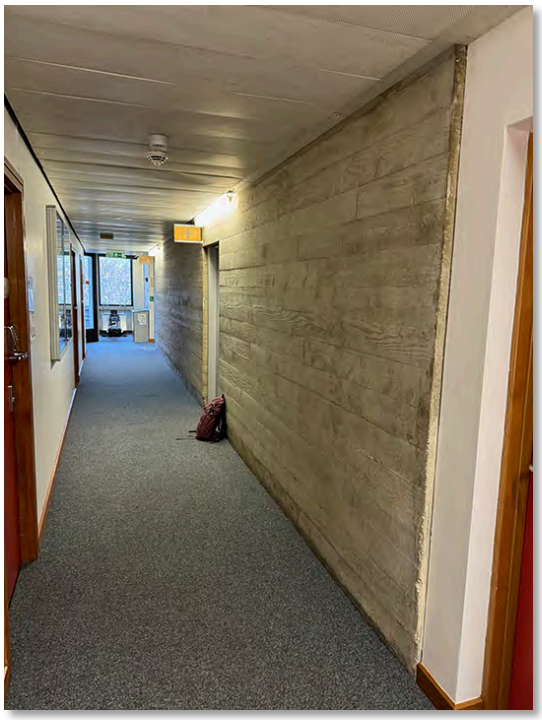
IMG_0731
Tea Point

IMG_0734
Later addition plastic laminate faced door and over panel to Room P503

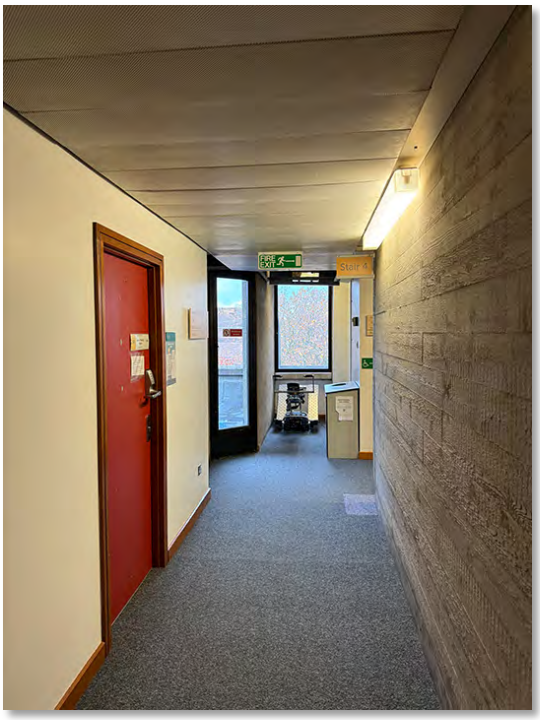


IMG_0735
Mid corridor 1½ leaf fire door

IMG_0736



IMG_0738

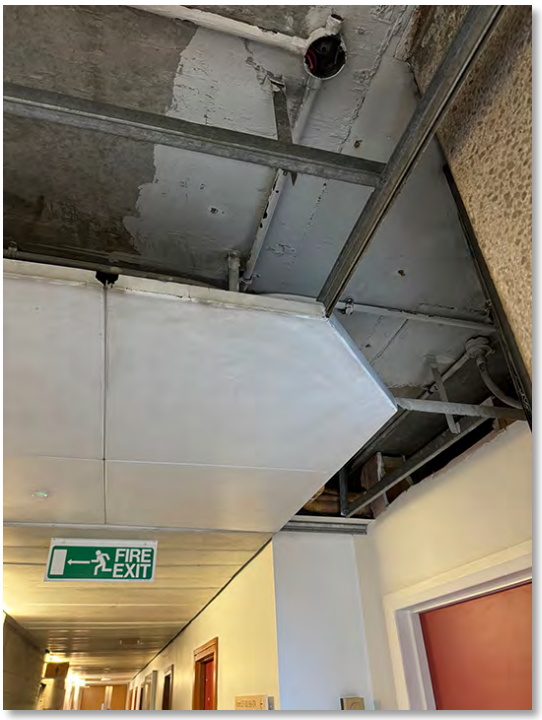


IMG_0739

IMG_0740

IMG_0741

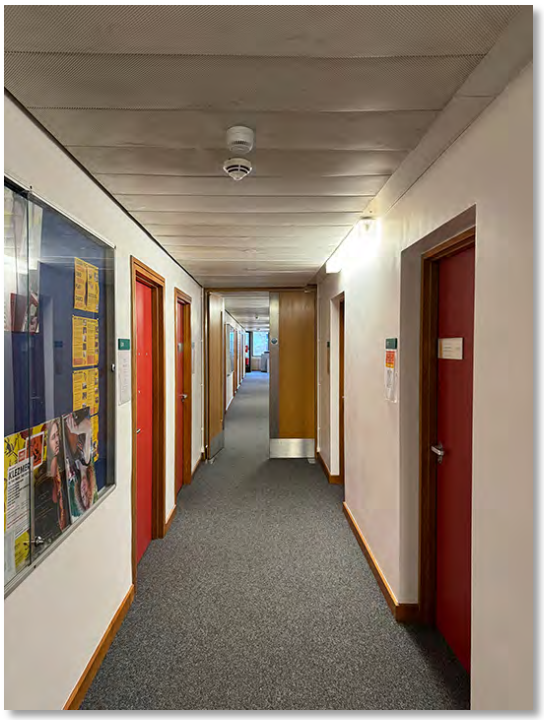
IMG_0742



IMG_0743

IMG_0744
Doors to Stair 4

IMG_0746



IMG_0749
Mid corridor 1½ leaf fire door

IMG_0750

IMG_0751

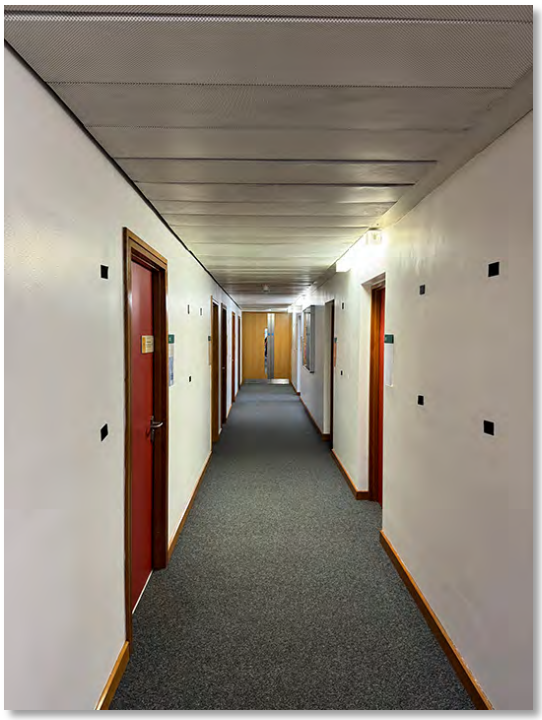
IMG_0752

IMG_0753

IMG_0755
Bulkhead within corridor dead end zone

IMG_0756

IMG_0760
Access panels to service riser



IMG_0762

IMG_0763
Mid corridor 1½ leaf fire door

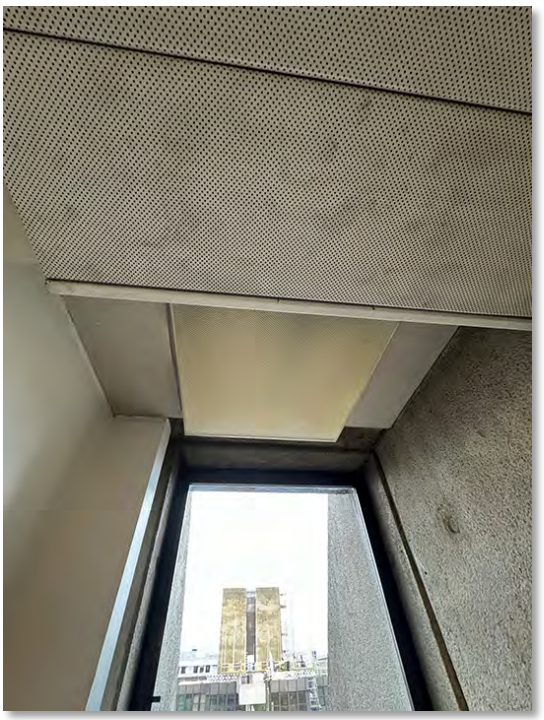
IMG_0764

IMG_0765

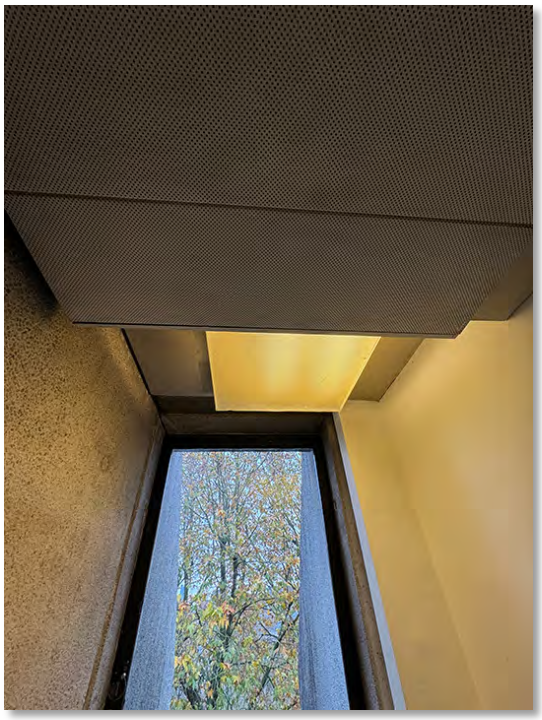
IMG_0766
Later addition plastic laminate faced door and over panel to Room P571

IMG_0767

IMG_0768



IMG_0770



IMG_0771

IMG_0773

IMG_0774

IMG_0775

IMG_0776
Later addition plastic laminate faced door and over panel to Room P579

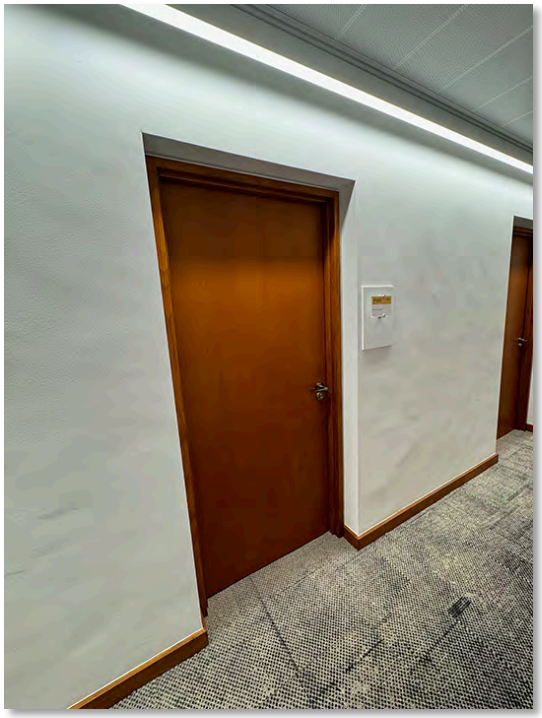
IMG_0778

IMG_0780
Later addition plastic laminate faced door and over panel to Room P593

APPENDIX B
Philips Building
Photographic Reference
Showing examples of refurbished areas of the 2nd, 3rd & 4th floor corridors

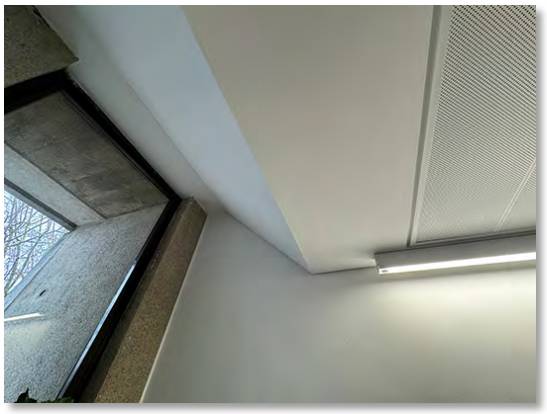
IMG_1047

IMG_1048



IMG_1049

IMG_1050



IMG_1053
Plasterboard angled bulkhead to window reveal

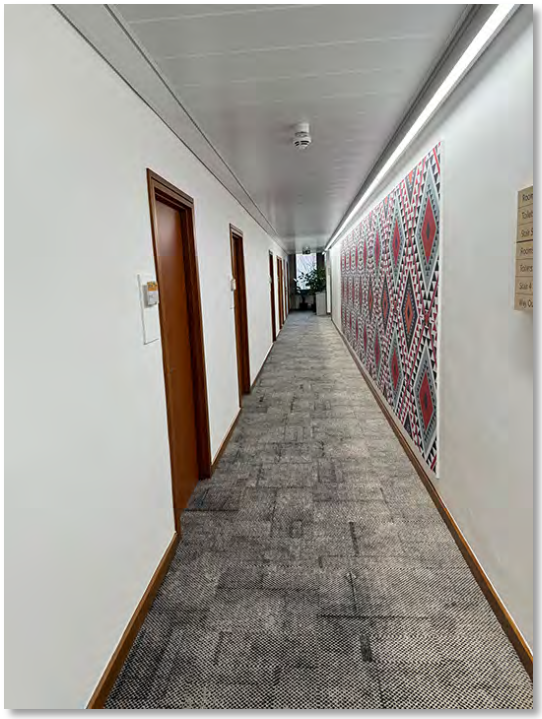
IMG_1055

IMG_1056

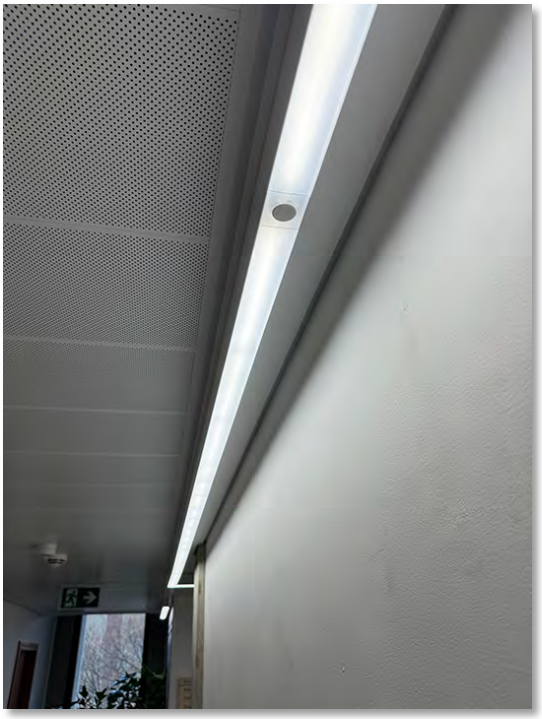
IMG_1057

IMG_1059
Double doors to staircase

IMG_1061
Vinyl wrapped fire doors at head of Link Bridge



IMG_1068



IMG_1070

APPENDIX C
Philips Building
Proposed Suspended Ceiling System

SAS 320 lay in modular system with 1200 x 300mm and 950mm x 300mm perforated steel tiles, powder coated to RAL 9010 pure white, 20% gloss, or equal and approved/equivalent.

APPENDIX B
Philips Building
Proposed Suspended Ceiling System

SAS 320 lay in modular system with 1200 x 300mm perforated steel tiles, powder coated to RAL 9010 pure white, 20% gloss, or equal and approved/equivalent.

SAS320

SAS International

SAS**320**

A tile-only system, SAS320 has no gridwork, reducing costs and allowing for quick and simple installations. The system is suspended from edge trims or other suitable features such as lights or grilles. Intended for corridor and plasterboard surround applications, SAS320 is ideal for residential and commercial sectors with targeted acoustic demands. Tiles can be of any size to suit most building modules and trimmed for improved aesthetics across undulating walls.

SAS320 is fully compliant with Approved Document E.

Module Sizes
There are no standard tile sizes for SAS320. Tiles can be up to 3000mm in length and no less than 300mm wide. Bespoke module sizes and shapes are available on request.

Access
Tiles can be lifted and removed for void access. No gridwork offers clear access to services above.

Finishes
SAS320 is available in all standard SAS finishes, please refer to page 105. Bespoke finishes are available on request.

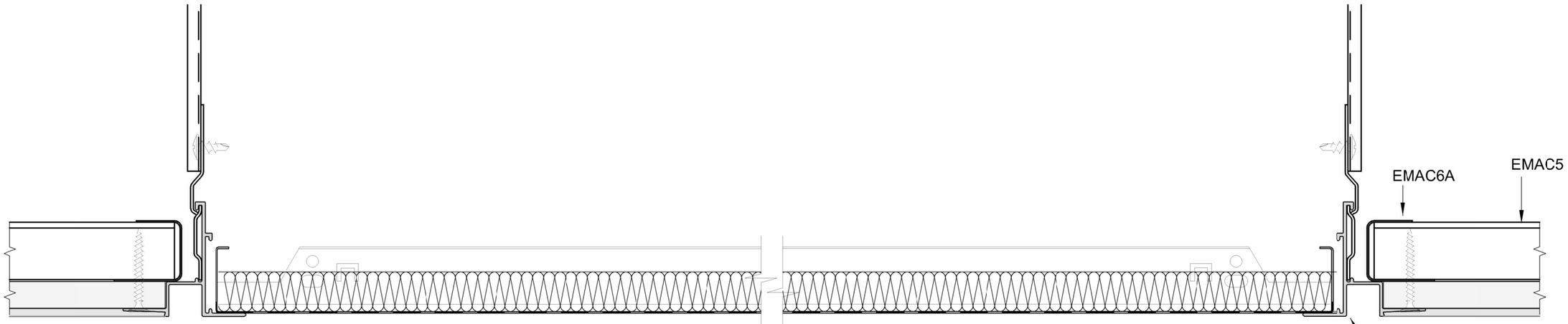
Perforations
SAS320 can be manufactured with any standard SAS perforation, and Ultramicro perforation for a brighter finish. For our full range of perforations, please refer to page 83. Bespoke perforations are also an option.

Acoustic Materials
16mm deep, 80Kg density mineral wool pad with black tissue face, foil back and sides. Other acoustic materials are available, please refer to page 20.

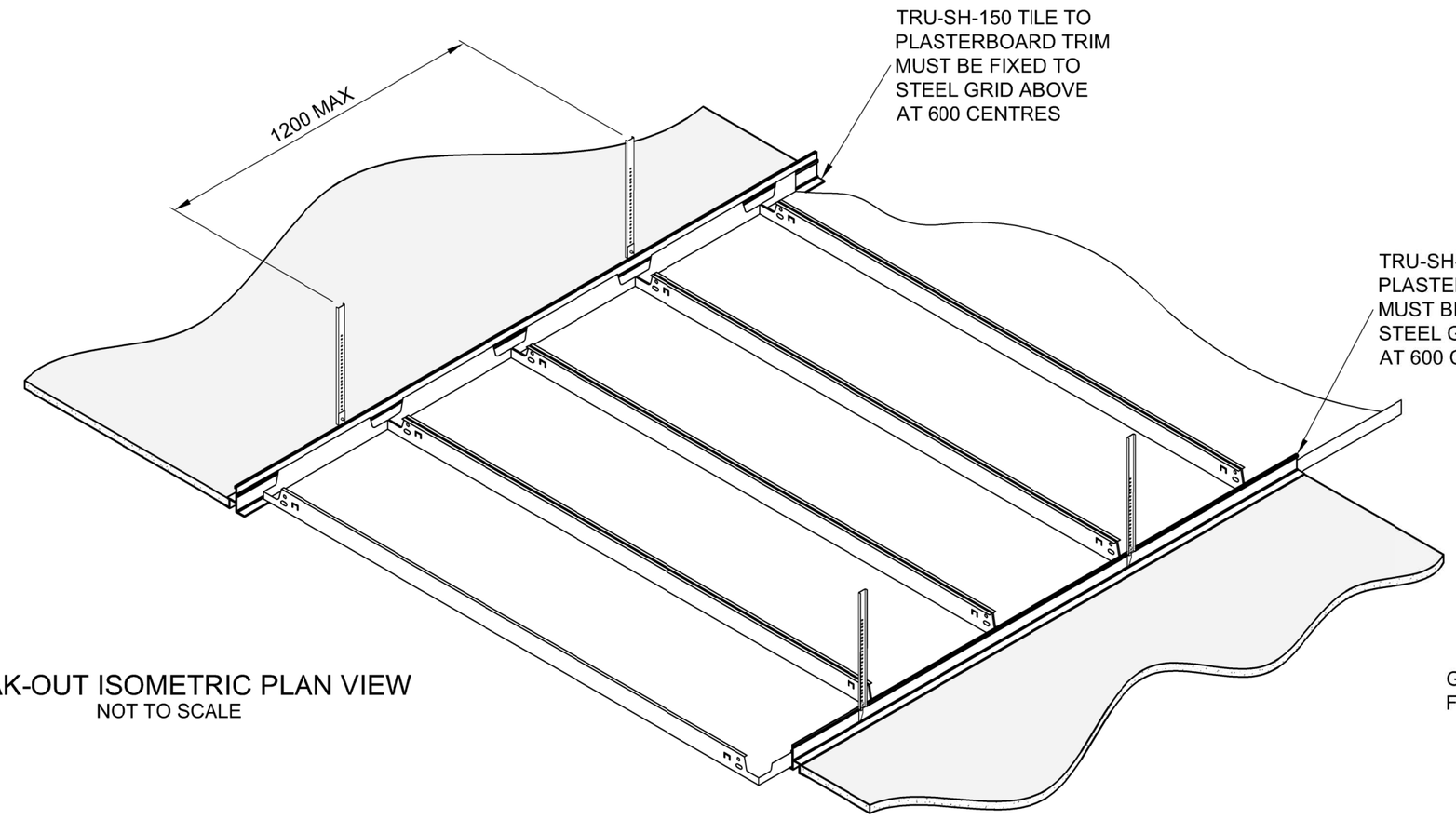
Service Integration
Tiles can be formed with apertures during manufacturing and post painted for integration with lights and other services.

Please note Loads in excess of 7Kg require independent suspension.

Technical Support
Please contact our technical team for all questions relating to access, security, bespoke features, service integration or load support.



SECTION VIEW
SCALE 1:2



BREAK-OUT ISOMETRIC PLAN VIEW
NOT TO SCALE

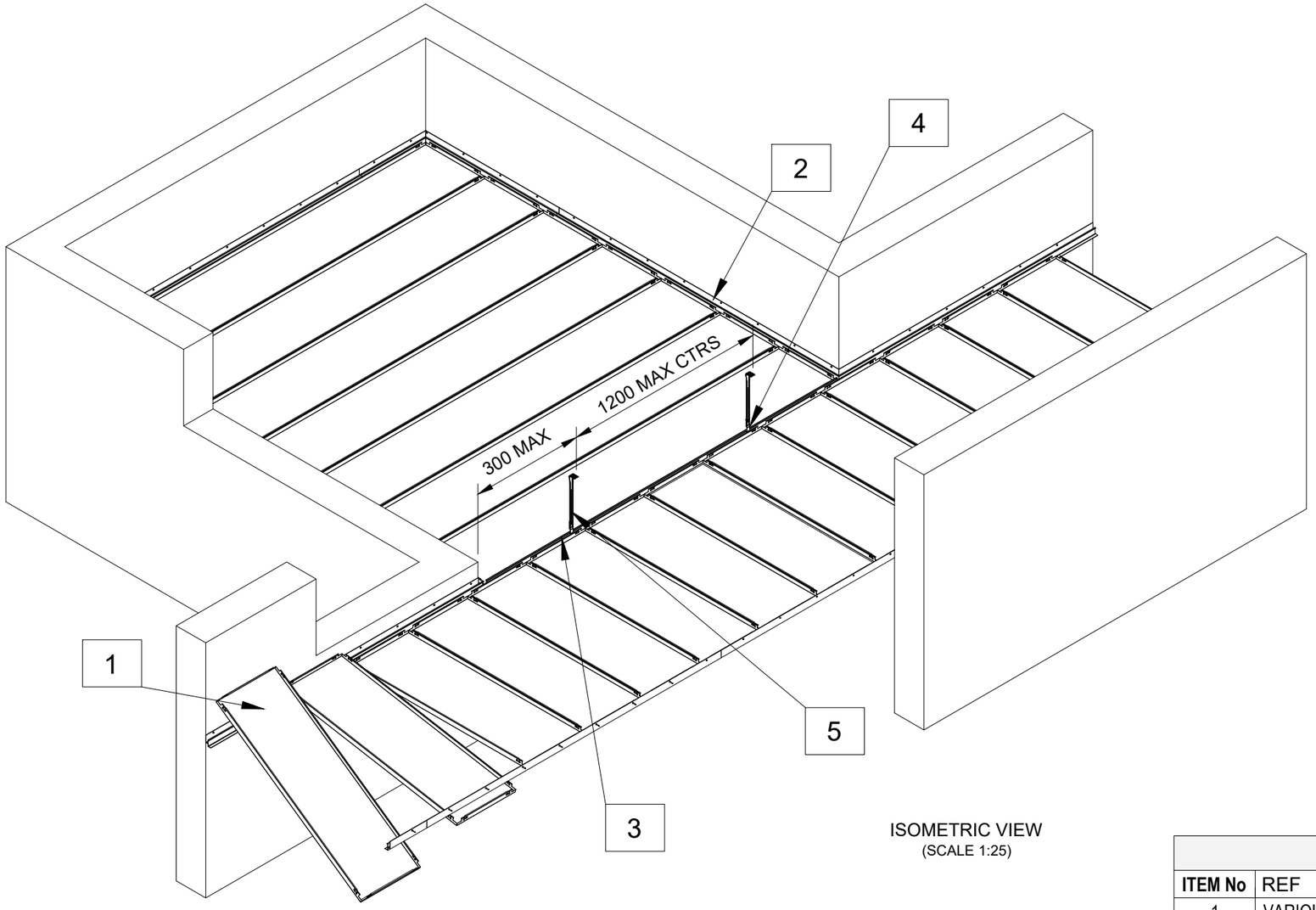
SAS International
31 Suttors Business Park
London Road, Reading
Berkshire RG6 1AZ
United Kingdom
Tel: +44 (0)118 929 0900
Fax: +44 (0)118 929 0901
www.sasint.co.uk

WORKNORM PATH
FOLDER SYSTEM
FOLDER 320
FOLDER APPLICATION

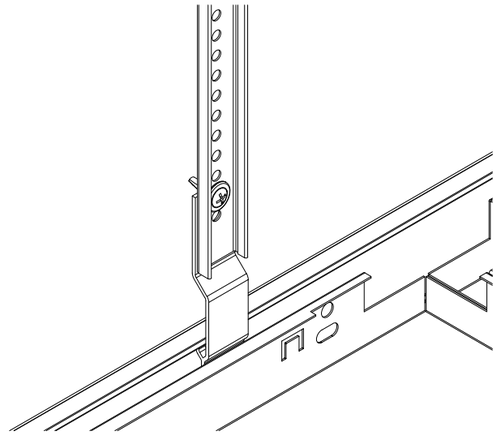
REV	DATE	DESCRIPTION
A	12-02-15	HANGERS UPDATE
B	15.05.15	ADDED ADDITIONAL DETAILS

SYSTEM 320
APPLICATION
PLASTERBOARD MARGINS DETAIL

SCALE	DATE	DRAWN BY
N.T.S	19.02.13	JMP
DRG / ITEM No.		REV
0155		B
FACTORY		
BE : MB		WORKNORM



ISOMETRIC VIEW
(SCALE 1:25)



TCB 08 HANGER BRACKET
ISOMETRIC VIEW (SCALE 1:2)

SYSTEM 320			
ITEM No	REF	**DESCRIPTION**	**COLOUR**
1	VARIOUS	SAS 320 TILE	RAL 9010 20%
2	10545	SAS SHADOW PERIMETER TRIM TCA 0123	RAL 9010 20 %
3	10561	SAS TEE SECTION TRIM TCA 0204	RAL 9010 20 %
4	10530	EMAC HANGER TO EXTRUSION BRACKET TCB08	RAL 9005 30 %
5	VARIOUS	EMAC HANGER	RAL 9005 30 %

NOTE: FIXINGS SUPPLIED SEPARATELY BY OTHERS

SAS International
EMAC House
Unit 28, Suttons Business Park
Earley, Reading
Berkshire RG6 1AZ
United Kingdom
Tel: +44 (0)118 929 0900
Fax: +44 (0)118 929 0901
www.sasint.co.uk

REV	DATE	DESCRIPTION	INITIAL
A	17/08/2018	FIRST ISSUE	---

SAS320 CORRIDOR

ISOMETRIC APPLICATION

SCALE @ A3	DATE	DRAWN BY
AS SHOWN	17/08/2018	JL

DRG / ITEM No. 0493

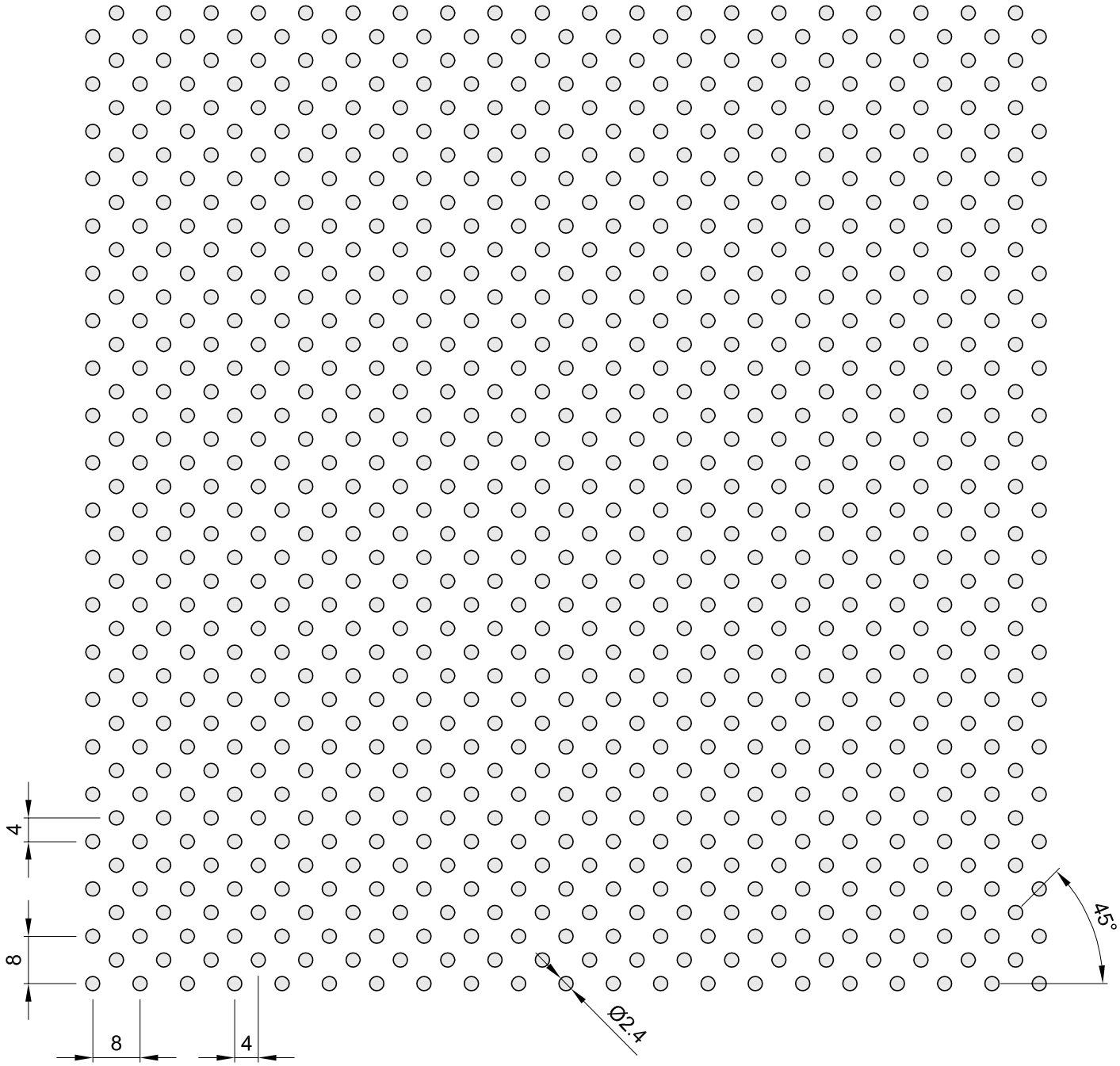
REV A

WORKNORM

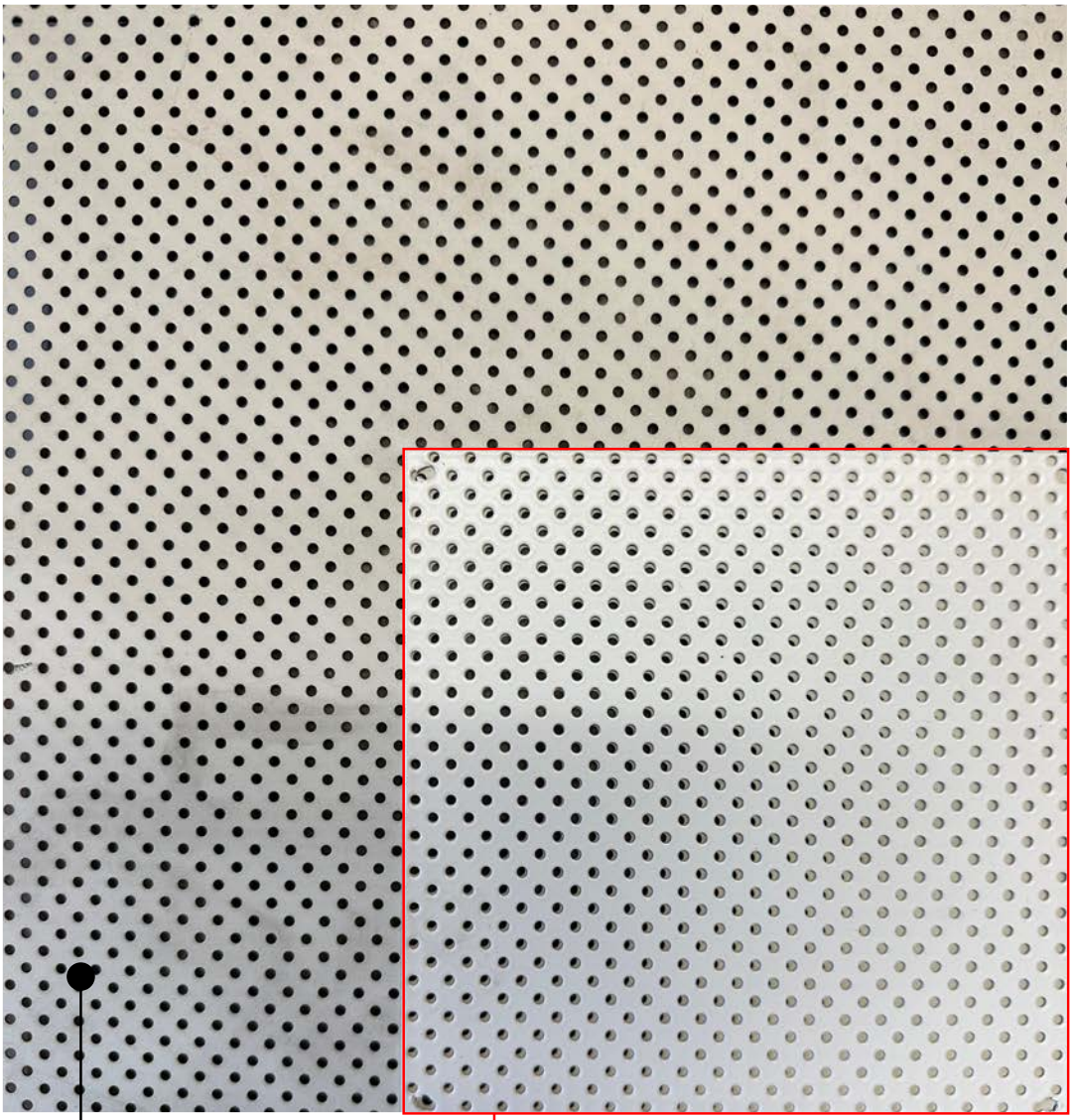
PERFORATIONS

D2414

Hole size	:	Ø2.4mm
Free Area	:	14%
Free Area (after paint)	:	12%
Pitch	:	8.0 x 8.0mm, 45°
Max. Steel Width	:	1620mm
Max. Perforation Width	:	1600mm
Directional Perforation	:	No
Max. Gauge Steel	:	0.7mm Steel
Max. Gauge Aluminium	:	1.2mm Aluminium



Photographic Reference
Proposed new tile perforation SAS D2414 overlaying existing perforated ceiling tile



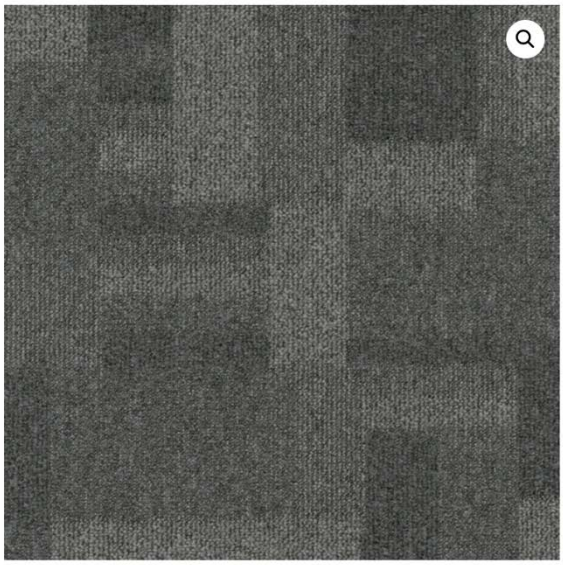
Sample Section
Existing Corridor Tile Perforations

Sample Panel Overlay
Proposed New Equivalent Perforation - Pattern SAS D2414

APPENDIX D
Philips Building
Proposed Flooring Materials

Main Corridors – 5th Floor:

- Marling Terrain heavy traffic 50 x 50cm tufted nylon loop carpet tile, colour Glacier – Pattern: Random, or equal and approved/equivalent



Glacier Carpet Tile

Range: Terrain

Quality: Loop Pile

Pattern Type: Patterned

Downloads

Please download our data sheets for further information:

DOWNLOAD NOW

Report Abuse

Category: Terrain Tags: Carpet Tiles, Flooring

Send an Enquiry

ADD TO SAMPLE REQUESTS

Description | Additional information | More Offers

Description

Construction: Tufted Loop Pile
Fibre: 100% SD Nylon
Gauge: 1/10th
Pile Weight: 600 gms
Pile Height: 3.1mm
Total Height: 6.8mm
Format: Tiles 50 x 50cm
Backing: Bitumen
Wear Rating: Class 33 Heavy Traffic

APPENDIX E
Philips Building
Proposed Lighting

- Eternity 50 linear surface mounted LED luminaire, type: 1M-30W-4K-SM-LED-LIN-WHT or equal and approved/equivalent, with integral emergency fitting as required.

SOAS
1M-30W-4K-SM-LED-LIN-WHT

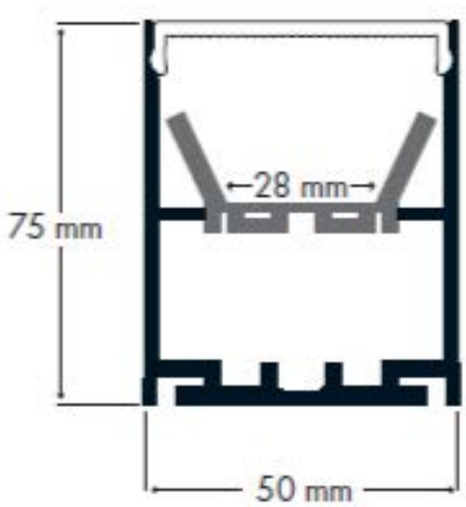
IP20

5 YR*
WARRANTY

30W
POWER

2700
LUMENS

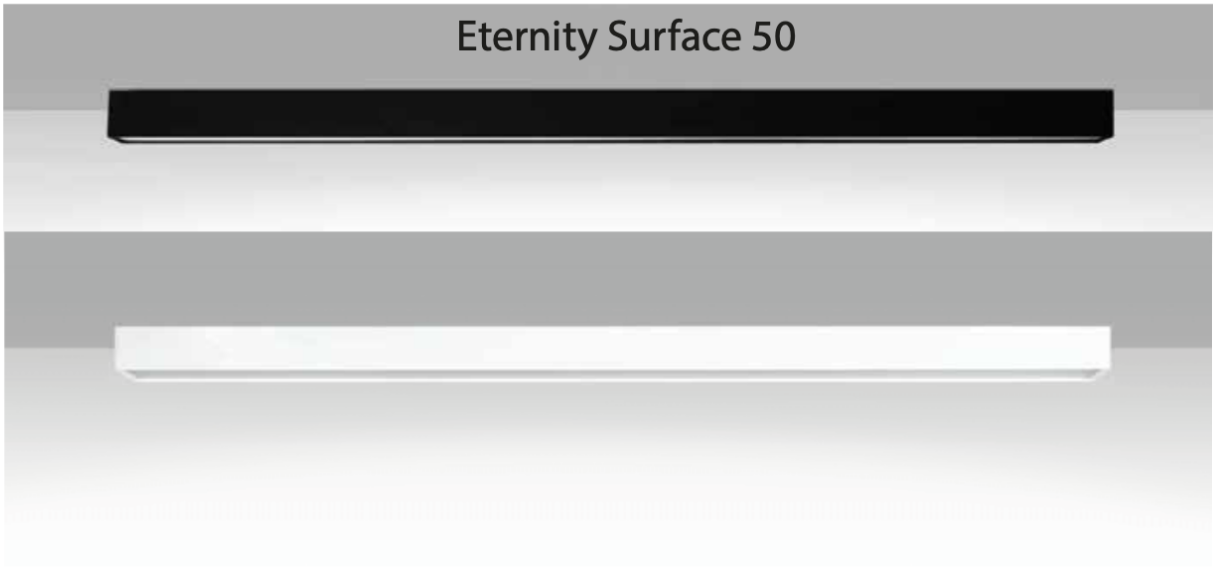
Specification	
Input Voltage	DC 24V
System Power	30W/m
Colour Temperature	4000K
Colour Rendering Index	>90
Lumens delivered	2700lm/m
LED Efficacy	90lm/w
IP Rating	IP20
Dimming	DALI
Emergency	N/A
Housing Material	Aluminium
Finish	White
Diffuser Type	Opal
Dimensions L x W x H	1000mm x 50mm x 75mm
Mounting Type	Surface Mounted

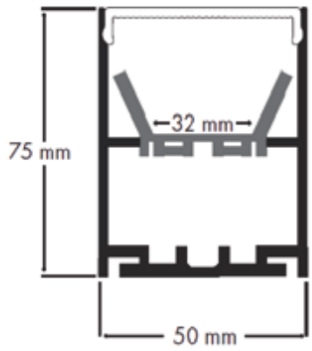


Notes & Features:

DRK Lighting Remedies LTD. | Unit 2, Rear of 1-9 Tennyson Road, SW19 8SH | Tel: 0207 018 2202 | Email: info@drklighting.co.uk | Web: www.drklighting.co.uk

Eternity Surface 50





Finish
- B Black
- W White
- Al Aluminium
- C Custom RAL

Kelvin
- IN 2700K
- WW 3000K
- CW 4000K
- D 6000K

Emergency
- ST Standard 3 hour
- DA DALI 3 hour

Beam Angle
- 110°

Dimming
- T Triac
- 1/10 1-10v
- DA DALI

Dimmable | 240V | 5 Year | 3 Step MacAdam | CRI 80 & 90+ | UGR<19

Specification	Eternity 20w/m	Eternity 30w/m	Eternity 40w/m
System Power	20W/m	30W/m	40W/m
LED Chipset	Osram LED	Osram LED	Osram LED
Driver Manufacture	KGP	KGP	KGP
Colour Rendering Index	92+	92+	92+
Lumen Output	2000Lm/m	3280Lm/m	4000Lm/m
LED Efficacy	100Lm/cW	109Lm/cW	100Lm/cW
IP Rating	IP20	IP20	IP20
IK Rating	IK04	IK04	IK04
Housing Material	Aluminium	Aluminium	Aluminium
Diffuser Material	Polycarbonate / Micro Prism	Polycarbonate / Micro Prism	Polycarbonate / Micro Prism
Operating Temperature	-40° to +60° C	-40° to +60° C	-40° to +60° C
Input Voltage	AC 220-240V	AC 220-240V	AC 220-240V
Dimensions	50mm x75mm x Various	50mm x75mm x Various	50mm x75mm x Various

Specification	Eternity HO 30w/m	Eternity HO 44w/m	Eternity HO 44w/m
System Power	30W/m	44W/m	44W/m
LED Chipset	Osram LED	Osram LED	Osram LED
Driver Manufacture	KGP	KGP	KGP
Colour Rendering Index	92+	80+	92+
Lumen Output	4050Lm/m	8360Lm/m	5200Lm/m
LED Efficacy	135Lm/cW	190Lm/cW	118Lm/cW
IP Rating	IP20	IP20	IP20
IK Rating	IK04	IK04	IK04
Housing Material	Aluminium	Aluminium	Aluminium
Diffuser Material	Polycarbonate / Micro Prism	Polycarbonate / Micro Prism	Polycarbonate / Micro Prism
Operating Temperature	-40° to +60° C	-40° to +60° C	-40° to +60° C
Input Voltage	AC 220-240V	AC 220-240V	AC 220-240V
Dimensions	50mm x75mm x Various	50mm x75mm x Various	50mm x75mm x Various