



# Building 6000, Langstone Technology Park, Havant. Historic Building Investigation and Recording

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## Building 6000, Langstone Technology Park, Havant

### *Historic Buildings Investigation and Recording*

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#### *East Staircase Tower*

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Plate 470 Construction of stairs, ground floor view.



- Plate 471 Roof level, looking north.  
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*West Staircase Tower*

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## Summary

*Oxford Archaeology was commissioned by XLB Property to undertake Historic Investigation and Building Recording of Building 6000 in Havant Langstone Technology Park prior to its demolition. The site recording took place between 13<sup>th</sup> and 14<sup>th</sup> of April 2023.*

*Building 6000 represents an office building designed and built by Arup from 1978-1981. The design was led by David Thomas, with involvement on the garden courtyard feature by James Russell. It forms the last building of a wider manufacturing complex constructed from 1968-81 in Langstone Park, Havant for the computer giant IBM. Building 6000 was built to replace temporary offices which formerly served the complex. It is an example of the architectural style known as Brutalism, which was popular throughout the 1950s, 60s, and 70s.*

*The present building closely represents its original use and basic layout, albeit with some modern rearrangement of the internal partitions. The general layout of the building, staircases, toilets and even some furniture have been preserved to this day, which is confirmed by archival photos.*



## 1 INTRODUCTION

### 1.1 Project Background

- 1.1.1 Oxford Archaeology (OA) was commissioned by XLB Property to undertake Historic Investigation and Building Recording of Building 6000 in Havant Langstone Technology Park prior to its demolition.
- 1.1.2 Building 6000 represents an office building designed and built by Arup from 1978-1981. The building was initially housed the IBM plant. It currently provides lettable space for offices, data centre, warehousing and IT, with some areas currently empty. The building is not listed but it is considered to be a non-designated Heritage Assets.

### 1.2 Aims and Objectives

- 1.1.1 The overall aims of the project were:
- to record for posterity the building prior to its demolition,
  - to analyse and study the recorded data,
  - to make the record publicly accessible through a report (a public document) and a project archive deposited with a public institution.

### 1.3 Location

- 1.3.1 The building is located within Langstone Technology Park, to the south of the A27, circa 0.6 km to the south-west of Havant Town Centre (Figure 1).
- 1.3.2 The building is aligned approximately north to south. This convention will be followed in the rooms and photograph descriptions throughout this report.

### 1.4 Methodology

- 1.4.1 Following a standard set by Historic England, the Building 6000 recording program has been set at Level 2. This standard, like the other 3, was defined by Historic England in its document *Understanding Historic Buildings: A Guide to Good Recording Practice* (2016).
- 1.4.2 The recording level depends on the detailed analysis of the building: from Level 1, comprising photographs and brief notes, to Level 4, containing a full historical and architectural analysis, supported by a comprehensive drawn and photographic record.
- 1.1.2 Historic England defines the Level 2 record as similar circumstances to Level 1 guidelines but when more information is needed. Level 2 *'may be made of a building which is judged not to require a more detailed record, or it may serve to gather data for a wider project. Both the exterior and interior of the building will be seen, described and photographed. The examination of the building will produce an analysis of its development and use, and the record will include the conclusions reached, but it will not discuss in detail the evidence on which this analysis is based. A plan and sometimes other drawings may be made but the drawn record will normally not be comprehensive and may be tailored to the scope of a wider project. The Level 2 record will typically consist of:*

- *drawn record,*
- *photography,*
- *and written record.'*

1.1.3 The site recording took place between 13<sup>th</sup> and 14<sup>th</sup> of April 2023 and consisted of two main elements: a descriptive, written record, and a photographic record. Particular attention was paid to the architecture, use, construction and evolution of the building, to inform the overall understanding of the site.

1.1.4 The photographic recording of the building was carried out using a digital camera with up to 24-megapixel capability and stored in jpeg format. The photographs include general views of the interior and exterior as well as photographs of items, features, or archaeological details. All photographic records are accompanied by a photographic register. A photographic scale was used in images of features. A flash was used in some of the photographs.

## 2 ARCHITECTURAL AND HISTORICAL BACKGROUND

### 2.1 Introduction

- 2.1.1 The Havant Computing Center was designed by Arup Associates and built in several phases in the Brutalist style of late modernist architecture.
- 2.1.2 The Historical Background relates to Arup Associate and Computer Center in Havant and was largely derived from Powell, *Arup Associates, 2018*, Kelly, *IBM in Hampshire, more than two decades of growth, 1987*, and from archival photos. Additionally, plant development phases are partly based on The Environmental Dimension Partnership Ltd, 2022, *Langstone Park, Havant*.
- 2.1.3 The Architectural Background is about Brutalism, the architectural style in which the Havant Computer Centre was built.

### 2.2 Arup Associates

- 2.2.1 Arup is a British multinational professional services firm headquartered in London that provides design, engineering, architecture, planning, and advisory services across every aspect of the built environment.
- 2.2.2 Arup Associates emerged from the famous engineering consultancy founded by Ove Arup in 1946 and reflected Arup's own vision of "total design", formed in the 1930s in his groundbreaking collaborations with Berthold Lubetkin. Arup had established himself in the 1930s as an expert in reinforced concrete, known for projects such as the Penguin Pool at London Zoo.
- 2.2.3 Arup's vision when establishing the company came out of a combination of his wartime experiences and a progressive-minded philosophy broadly aligning with early modernism. With architects, engineers and other professionals working in groups, it offered a uniquely interdisciplinary approach to the design of buildings.
- 2.2.4 During 1963, together with the architect Philip Dowson, a new division of the company, Arup Associates, was formed.
- 2.2.5 The foundation of Arup Associates opened the way for winning commissions for university buildings, offices, and public and cultural buildings and to compete for work internationally. Its expertise in the design of factory and research buildings was well tuned to the needs of new industries emerging in post-war Britain, still in the 1950s a smoky land of textile mills, coal mines and stream trains. Arup Associates was well equipped to create buildings for a new industry that was to transform the global economy.
- 2.2.6 During the 1960s, Arup Associates were involved in a number of high-profile buildings built on the 'total architecture' philosophy. The mainstay of Arup's work from the 1950s were industrial buildings, university projects and offices, but their overall design philosophy saw Arup designing a number of buildings which increasingly integrated all the engineering aspects and office accommodation into unified structures, whilst working closely with clients to produce bespoke designs.

- 2.2.7 Within 25 years of its establishment, the firm had become well known for its design work for the built environment, acquiring a reputation for its competence at undertaking projects that were structurally and/or logistically complex: from early groundbreaking factories to a series of university commissions, innovative offices, and cultural projects, the practice moved on to become a major player on the London development scene.
- 2.2.8 When the American computer giant IBM decided to develop major research and production facilities in Britain, it opted for a site at Havant, near Portsmouth, and at Cosham. Between 1966 and 1982, phased development on the two sites was undertaken by Arup Associates. At Havant, the Computer Centre (completed in 1969) and the 97,500 m<sup>2</sup> Assembly Plant, completed in three construction phases in 1974, with a later (1978-9) extension, dwarfed earlier Arup factory projects.
- 2.2.9 In 1970 Arup opted to retire from actively leading the company. At the time, the firm was made up of several independent practices spread across the globe, so prior to his departure, Arup delivered his 'Key Speech' to all his partners from the various practices. The speech set out the aims of the firm and identified the principles of governance by which they might be achieved. These included quality of work, total architecture, humane organisation, straight and honorable dealings, social usefulness, and the reasonable prosperity of its members.
- 2.2.10 During Arup's lifetime, the company would work on high-profile projects such as the Sydney Opera House by Peter Jones (where application of computer calculations to an engineering project was used for the first time, utilising the Ferranti Pegasus computer to generate models), the 'inside-out' Centre Pompidou by Renzo Piano & Richard Rogers, the HSBC headquarters by Norman Foster & Partners, and the Lloyd's Building - 'high-tech' and 'inside-out' (similarly to Centre Pompidou), designed by Richard Rogers.
- 2.2.11 Arup Associates was important in driving the process of technical innovation within the practice and remains one of the leaders of the world's most challenging projects. Their most famous projects from the late 20<sup>th</sup> century are Kansai Japan International Airport by Renzo Piano, Oresund Bridge (bridge between Denmark and Sweden). In the 21<sup>st</sup> century, the most famous projects are The Chinese National Aquatics Center 'Water Cube', Singapore Sports Hub, King's Cross station in London, cable-stayed bridge Queensferry Crossing in Edinburgh, Crossrail, London (now known as the Elizabeth line) and The Towers in Sagrada Familia (to be completed by 2026). And many other projects that are not as famous as all the ones mentioned above.
- 2.2.12 Arup is an employee-owned business, with all staff owning a stake in the company and part of a global profit share.
- 2.2.13 The firm has published an annual sustainability report since 2008 and is involved in several projects around the world aiming to cut greenhouse gas emissions, such as Dongtan Eco-City, which is planned to be zero waste, and the High Speed 2 Interchange Station, which is the first railway station in the world to achieve BREEAM 'outstanding certification.
- 2.2.14 So far, Arup has participated in projects in over 160 countries.



## 2.3 Brutalism

- 2.3.1 Brutalism was a movement in modern architecture responsible for some of the most striking building designs of the twentieth century. But its achievements also proved shocking and controversial, partly because of its emphasis on the use of unfinished concrete for exterior surfaces.
- 2.3.2 Brutalism emerged after the Second World War but was rooted in the ideas of functionalism and monumental simplicity that had defined earlier architectural modernism, including the International Style. Brutalism sought to adapt earlier principles to a post-war world where urban reconstruction was a pressing necessity. In this sense, it was partly inspired by democratic-socialist visions of community, but it was also propelled by the avant-garde idiosyncrasies of maverick architects.
- 2.3.3 Brutalism emerged at a time of urgent need for large-scale, affordable residential architecture. Europe's major cities were heavily bomb-damaged, while the need to clear urban slums, and a widespread desire to improve the lot of the common citizen, inspired largescale rehousing projects across much of the continent.
- 2.3.4 Brutalism was part of a broader wave of mid-century-modernist functional design. Whereas modernism in visual art and literature is generally associated with the early twentieth century, and often with notions of complexity and difficulty, this mid-century modernism was notable for the iconic simplicity of its designs, and for its egalitarian emphasis on mass production and utility, an aesthetic rooted in the advances of the Bauhaus and Constructivism.
- 2.3.5 Brutalism's most famous stylistic motif was the use of raw concrete (French '*béton brut*') for exterior surfaces, leaving evidence of the construction process, such as the holes and seamlines left by the setting of liquid concrete, visible on the outsides of buildings.
- 2.3.6 Brutalism undoubtedly owed an allegiance to the emphasis on brute materiality that defined the Art Brut movement. In Britain, Brutalist architects such as Alison and Peter Smithson were acquainted with Jean Dubuffet, the primary exponent of Art Brut, and sought to emulate his primitive, visceral approach through the spirit of their designs.
- 2.3.7 In the decades following its zenith, Brutalism became redolent of urban deprivation and decline, largely because of its use in largescale social housing projects, but in the twenty-first century Brutalism is decidedly back in critical and popular fashion.
- 2.3.8 A pioneer of modern architecture, Charles-Édouard Jeanneret, known as Le Corbusier, was not only the main predecessor of and influence upon Brutalism, but also created some of its most iconic structures. His early design for the Dom-ino House (1914-15), an un-built prototype for temporary residences required after World War I, used a concrete modular structure for which residents could build their own exterior walls using materials stored on site. The idea was, as he described it, '*a juxtaposable system of construction according to an infinite number of combinations of plans.*'<sup>2</sup> His Unité d'habitation (1952), an apartment complex in France, was seen as the first example of

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<sup>2</sup> Le Corbusier, 1927, *Towards a New Architecture*.

Brutalism in urban planning, while his Maisons Joule (1951-55) influenced the movement's approach to private residences. Nonetheless, Le Corbusier did not identify with the term '*Brutalism*' movement and was outraged when his work was described as part of the Brutalist movement.

- 2.3.9 One of the first buildings to be referred to as Brutalist was Villa Goth. In 1949 the Swedish scientist and pharmaceutical boss Elis Göth commissioned Bengt Edman and Lennart Holm to build him a private residence in Uppsala, Sweden. The Villa Göth consisted of a two-story rectangular block constructed from dark brick, with exposed I-beams and a number of *béton brut* floors and ceilings displaying the casting forms of the concrete. Hans Asplund, a leading Swedish architect, used the term '*Nybrutalism*' ("New Brutalism") to characterize the building.
- 2.3.10 Part of the reason that Britain, became closely associated with Brutalism is because of this self-conscious adoption of the term by British architects and critics. In a 1951 article, the writer Reyner Banham called Brutalism '*Britain's first native art movement*,' writing that the term originated in Le Corbusier's advocacy of '*béton brut*' ('raw concrete') and Jean Dubuffet's Art Brut. Drawing a distinction between proponents of the emerging style, Banham argued that Asplund's '*Neo-Brutalism*' emphasized style or aesthetic rather than the ethics emphasized by New Brutalism. Two years later, in 1953, the English architect Alison Smithson used the term '*Brutalism*' in *Architectural Design* to describe her design for a Soho residence which was to be '*exposed entirely, without interior finishes wherever practicable*'.
- 2.3.11 Alison and Peter Smithson in 1949 won an architectural competition for their design for the Hunstanton Secondary Modern School (1949-54) in Norfolk, later seen as an exemplar of Brutalist style. The two quickly became leaders of the new movement, growing in prominence through their collaborations with artists at the London Institute of Contemporary Arts and as members of Team 10.
- 2.3.12 Group 10 formed in 1953 at the Congrès International d'Architecture Moderne, known as CIAM, and was co-created, apart from the Simsons, by architects Georges Candilis, Jaap Bakema, Giancarlo De Carlo, Aldo van Eyck, and Shadrach Woods. Their ideas were informed by the economic and social realities of post-World War Two Britain, which required large-scale rebuilding in many heavily bombed cities - they described their approach as '*make do and mend*'. They argued against the emphasis on transplantable functionalism that had defined the development of modernist architecture in the early twentieth century, in favor of urban planning that reflected the values and lifestyle of specific populations and created community.
- 2.3.13 In 1955 the architectural critic and historian Reyner Banham published his essay '*The New Brutalism*' (1955) and became the leading theorist and advocate of the Brutalist movement in Great Britain. The essay defined the historical context for Brutalism, describing the movement as influenced by Le Corbusier's *béton brut*, Jean Dubuffet's Art Brut, and the French musician Pierre Schaeffer's '*musique concrète*' ('concrete music') of the 1940s. Banham defined the key tenets of Brutalist architecture as follows: 1, Memorability as an Image; 2, Clear exhibition of Structure; and 3, Valuation of Materials 'as found'. He explained '*Memorability as an Image*' as meaning that '*the building should be an immediately apprehensible visual entity; and*

*that the form grasped by the eye should be confirmed by experience of the building in use.'*

- 2.3.14 In the 1960s became popular the concept of '*streets in the sky*'. It involved the use of elevated walkways connecting raised apartment buildings to create a sense of neighborhood. An early example of their use was in the Smithsons' design for Golden Lane Estate (1952), an unbuilt project, which became the model for their Robin Hood Gardens in London (1968-72). The Golden Lane estate was intended to include two apartment buildings placed at angles around an enclosed green area. Each apartment block ended in elevator silos connecting to open-air walkways or streets.
- 2.3.15 This Brutalist concept for communal interaction was widely employed in British public housing in the following decades, notably in Ernö Goldfinger's Balfron Tower (1965-67) and Trellick Tower (1966-72) in East London. Hulme Crescents (1972) in Manchester was the largest of the streets-in-the-sky British projects but suffered various design problems leading to its 1994 demolition. Many of these complexes became marked by neglect, failing maintenance, and crime, and faced public and critical antagonism in the 1970s and across subsequent decades, until a recent revival of critical and cultural good will.
- 2.3.16 In the late 1950s many universities, especially in the United Kingdom, turned to Brutalist architecture, partly due to its inexpensive and quick construction possibilities, and partly due to its strong association with the expanded public and cultural realm of the post-war period. As the university sector expanded and new institutions opened - the so-called "plate-glass universities" of the 1960s - striking Brutalist buildings were commissioned across the UK, notably at the Universities of Essex, East Anglia, and Glasgow.
- 2.3.17 In the 1970s, Brutalism came under redoubled criticism both from architects and the public. With the scale of its designs and emphasis on cheap building materials, Brutalism became the style with mixed results for its own critical and popular fortunes.
- 2.3.18 In the 1980s, the emergence of Deconstructivism brought an end to the movement, though it continued to live on in popular culture, as noted buildings became locations for BBC spy dramas, movies with a Cold War theme, and contemporary British dramas.
- 2.3.19 In the 21<sup>st</sup> century, Brutalism is experiencing a revival. Conservation campaigns have been launched to save and restore Brutalist architecture, though some noted buildings have been demolished amidst public outcry.
- 2.3.20 A number of contemporary architects, including Peter Zumthor, Tadao Ando, Daniel Libeskind, Tadao Ando and the late Zaha Hadid have created Brutalist-influenced works, while others, including Jurgen Mayer Hermann, known as J Mayer H, have been described as 'quasi-Brutalist'. In 2015 the Swedish artist Olafur Eliasson cast massive chunks of glacial ice in concrete to create sculptures and, subsequently, developed a building design for Illulissat Icefjord Park in Greenland. The installation A Clockwork Jerusalem (2014), at the 2014 Venice Biennale, included a central circular mound of earth taken from the manmade hill at Robin Hood Gardens, in homage to the Smithsons' vast, now largely demolished Brutalist housing estate in East London.

## 2.4 Computer Centre in Havant

2.4.1 Langstone Technology Park consists of four main buildings of modular construction with minimalist landscaping linking around the buildings. The site is a 'campus style' industrial park with buildings dating from the early 1970s. Originally built for IBM it housed one of two manufacturing plants in the UK. The buildings were designed and built by Arup and by David Thomas with landscaping for the courtyard and grounds by James Russell.

2.4.2 The Havant plant started manufacturing in 1967 using temporary buildings, but then gradually transferred to permanent facilities in the following years and expanded during the 1970s. It assembled computers for the European, Middle Eastern and Africa markets along with disc files developed at the nearby research centre located at Hursley, near Winchester, which was opened in 1958.

2.4.3 The complex of buildings was built in phases over a 13-years period. Despite this, there is an overall architectural unity because all the buildings within the complex were designed by Arup Associates. An outline chronology, illustrating the development of the various buildings within the complex, is provided within Figure 2.

2.4.4 The Havant plant, in common with many factories of the day (especially ones designed by Arup), does have an architectural unity, and was designed in a modular manner. No doubt IBM had particular requirements which would have driven the plan form over time. The development of the IBM factory building complex in Havant had 7 phases of expansion:

### 2.4.5 Phase 1 (1968- 1969)

2.4.6 The smallest building (Building 7000) was the first to be built on the site, and then, in the same year building 1000 (the first phase of it). The building 7000 is situated in the eastern part of the complex and Building 1000 (which was the main manufacturing floor), to the north-west. Building 1000, was built in phases, with two bays originally constructed in 1968 at the eastern end comprising effectively a narrow 'half' bay and a single full bay.

2.4.7 From the same period comes, closely associated with Building 1000, a 'central link' area- Building 4000. Originally this contained three sections comprising (from east to west): an entrance area with waiting room, library and interview rooms, a central area containing a cafeteria with a courtyard to West, and the western part formed part of a loading bay. These courtyards were, at that point, open on their southern sides.

### 2.4.8 Phase 2 (1969- 1970)

2.4.9 The entrance area with waiting room of Building 4000 was linked to Building 7000 via a steel framed glazed covered walkway.

### 2.4.10 Phase 3 (1970)

2.4.11 Additionally, a narrower 'half' bay was provided to the west module of the Building 1000.

### 2.4.12 Phase 4 (1970- 1971)

2.4.13 In phase 4, Building 1000 was extended by another module.

#### **2.4.14 Phase 5 (1971- 1972)**

2.4.15 This area was greatly expanded in 1972, when the Materials Distribution Centre (Building 5000) was added to the south-west of the complex. This extended Building 4000 to the south, to enclose the courtyard areas and provide an additional corridor. This comprised loading bays at the western end and essentially two large spaces within the interior. It also expanded Building 4000 westwards, to provide goods access between the materials centre and the manufacturing floor.

2.4.16 The cafeteria in Building 4000 represents a communal space at the centre of the complex which also served as the route between the buildings. The complex developed piecemeal, and developed as manufacturing expanded, clearly demonstrated by the radical change at the western end of this area from goods loading and access, to office accommodation. This area is reflective of the movement towards integration of office workers and factory floor, whereby the cafeteria appears to have been a communal space accessible from the offices and factory floor alike, even if the functions were still divided into separate buildings.

2.4.17 In 1973 the Financial Times award for industrial architecture 1972 was won by 'the new plant at Havant, Hampshire, designed by Arup Associates'.<sup>3</sup>

2.4.18 In 1977 Havant temporary buildings were bulldozed to make way for the second phase of the Langstone site development.

#### **2.4.19 Phase 6 (1978- 1979)**

2.4.20 During this period, the last module was added to Building 1000. Collectively, for the end, the expansion of this building has created a single structure of significant scale.

#### **2.4.21 Phase 7 (1978- 1981)**

2.4.22 The phase 7 was the last phase of the development of the complex, which resulted in Building 6000, which was intended for offices.

2.4.23 By the 1990's, the IBM Havant plant was reduced to the development and manufacture of computer disk drives. In 1993, with UK manufacturing costs being too high, the IBM Corporation let the Havant plant go to a management buyout and the site became the home of Xyratex.

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<sup>3</sup> The Arup Journal, March 1973

## 3 OUTLINE DESCRIPTION

### 3.1 Introduction

3.1.1 Building 6000 represents an office building designed and built by Arup from 1978-1981. The design was led by David Thomas, with involvement on the garden courtyard feature by James Russell. It forms the last building of a wider manufacturing complex constructed from 1968- 81 in Langstone Park, Havant for the computer giant IBM. Building 6000 was built to replace temporary offices which formerly served the complex.

### 1.2 Description of the Exterior

3.1.2 Building 6000 is of a courtyard plan, rising three storeys, and contains office space on all floors. There are utilities and plant on the flat roof.

3.1.3 Externally the building is clad in horizontal concrete panels with two bands of glazing running the full length of each elevation (Plates 30- 41, 46- 50, 56- 58, 60, 64). The ground floor has a concrete portico with glazing to the offices and brick walls (Plate 43) set back behind a brick and grass bank (Plates 55, 64). Inside the portico there are eight glazed fire exits, four from the west and four from the east, and stairs leading to them (Plates 45, 59).

3.1.4 The building is flanked on the west and east sides by two full height glazed staircase towers with fire escapes (Plates 35- 38, 42, 61- 62, 454- 496). The main glazed entrance to the building leading to reception, which is currently closed, is in the south façade (Plates 31, 32). On the roof corners of this façade are CCTV cameras (Plates 33, 56).

3.1.5 The building is entered from the north on the ground floor and first floor through a glazed corridor which is connected with building 4000 (Plates 52, 63). On the ground floor there are two emergency exits from the corridor to the west and east (Plates 52, 53, 63, 152, 153).

3.1.6 At the eastern edge of the roof, between the glazed staircase tower, there are 4 crane arms, which were probably used to pull plant up to the roof (Plate 66, 186, 187).

3.1.7 In terms of its construction, building 6000 is set on a concrete slab with reinforced concrete columns arranged on a standardised and repeatable grid (Figure 3, 4, and 5). The cladding is attached to vertical steel channel beams, which themselves are attached to the concrete frame on pre-cast brackets (Plates 44, 46). It is evident that this was utilised to match the appearance of the other (earlier) buildings on the site, which were of steel framed construction rather than concrete.

3.1.8 From the east, the building is adjacent to the oldest building in the complex - building 7000, and from the west to building 5000 (Plates 34, 57). On the northern side of the building, in the grass bank, there is a flat brick structure in the form of a platform of unknown purpose (Plate 54). There is an access road at the front of the building and parking lots on the south side of this (Plate 33, 56).

## 1.3 Overview of the Interior

- 3.1.9 The load-bearing walls inside the building are made of yellow brick (Plates 83, 137, 145, 194, 198, 329, 334, 380). All finishes are made of light wood painted with clear lacquer (Plates 79, 85, 88, 92, 138, 169, 278, 332, 392). There are carpets on the floor and suspended ceilings with lighting on the ceilings (Plates, 68- 82, 141- 148, 191- 195, 273- 274, 351- 359, 365- 368, 390- 391).
- 3.1.10 On each floor, the offices are arranged around two corridors that run along the longer sides of a courtyard area. These have individual office spaces opening from them, primarily as open plan spaces, originally with office cubicles set within central rows (Figures 3, 4, 5). Part of office spaces have been subsequently altered and re-arranged through further subdivision or merging of space as a result of the building's use by multiple occupants (Plates 93- 112, 178- 189, 219- 233, 250- 277, 440- 453). About half of original office cubicles remain (Plates 125, 184, 292, 305, 308, 369- 370, 409). This means that, internally, the open plan has partially been disrupted and is no longer representative of its original layout.
- 3.1.11 Corridors also run along the narrower sides of the buildings along the inner courtyard of the building. The central parts of the narrower sides of the building are occupied by staircases, elevators, utility rooms, toilets and additional office spaces (Figures 3, 4, 5). On the ground floor in the southern part of the building, instead of office space, there is a reception with the main entrance to the building and revolving glazed doors (Plates 68- 76).
- 3.1.12 The southern staircase with the elevator is located at the shorter side of the courtyard. There are entrances for the staircase and elevator on the north side on each floor (Plates 83- 85, 194- 195, 329). In addition, on each floor the staircase has four vertical, narrow windows in a brick wall (Plates 86, 167, 190, 194, 327) and a skylight in the roof (Plate 168). Behind the staircase and elevator are the men's and women's toilets, and to the front of the building are the offices (except on the ground floor where the reception is located).
- 3.1.13 The same layout towards the cardinal points (it is not a mirror image) is located on the north side of the courtyard. Here, the staircase, elevator and utility rooms are located at the northern external wall of the building. The entrances for the staircase and elevator also are located to the north (Plates 144- 145, 283- 284, 388). In this staircase there are also narrow windows in the brick wall, but only one on each floor (Plates 144, 284, 388) and also a skylight in the roof (Plate 157). There are no offices along the north wall of the building between those in the east and west corners.
- 3.1.14 On the ground floor of the building, opposite the northern staircase and the elevator, there is a short link between the building 6000 and 4000, with two glazed emergency exits to the west and east (Plates 53, 63, 152, 153). At the end of the link, in building 4000, there is a relaxing room (Plates 154- 156).
- 3.1.15 On the first floor, opposite the northern staircase and elevator, there is a glazed corridor leading to building 4000 and the current working reception (Plates 53, 63).
- 3.1.16 Placed centrally, there is a courtyard area overlooked by glazed elevations on all sides. A water cascade feature is located within the interior and a brise-soleil suspended on

each level. The plants are tropical in character and include palms (Plates 135, 162, 165, 174, 192, 300, 311, 331, 411).

- 3.1.17 Both full height staircase towers are made of steel and glass. Each staircase has an exit on each floor and also to the roof (Plates 454- 496). Under the floors of both towers, there are small technical rooms in the ground (Plate 460). Along the stairs to the roof there are pipes with fire hydrants on each floor.

## 3.2 Comparison of Archival Photos with Existing Building

- 3.2.1 Thanks to archival photos from the RIBApix website, it was possible to examine how much the exterior and interior of the building have changed over the course of forty years. On their basis, it was also possible to partially reconstruct the original layout of the office space and furniture in building 6000.

### 3.2.2 Comparison of the exterior of the building

- 3.2.3 The exterior of the building has essentially not changed (Plates 1-10 and 30-66). Firstly, you can only observe a slight darkening of the concrete slabs, resulting from atmospheric factors affecting the building.

- 3.2.4 Secondly, originally on the roof of the building, two crane arms were located on the south side of the building's courtyard, while now, looking from the south-west, two crane arms can be seen on the western edge of the roof (compare Plates: 9, 10 and 56, 58).

- 3.2.5 In addition, comparing Plates 9 with 57, you can see that originally there was a bank of grass in place of the current parking lot.

### 3.2.6 Comparison of the interior of the building

- 3.2.7 Plate 11 showing the interior of the reception compared with Plate 70 shows many differences between the original building and the present day.

- 3.2.8 There is a completely different lighting on the ceiling and the suspended ceiling looks different. The original wall behind the receptionist desk is brick wall (probably yellow). The desk at which the receptionist sits is long and straight. Currently, the brick wall is plastered in white and there is also a white partition in front of it. The simple and long reception desk was replaced with a tall, semi-circular bar-style desk.

- 3.2.9 In the background of the photo there is a glazed entrance to the eastern part of the building. Currently, there is a metal roller blind in this place.

- 3.2.10 The floor in this room was not originally carpeted but exposed stone.

- 3.2.11 Despite so many differences, it was possible to confirm that the chairs currently in this room are original and come from the beginning of the building's use.

- 3.2.12 Plates 14-17 show the layout of the office spaces on the ground floor of the building. Plates 15 and 16 show the building's original ceiling, which can also be seen today in the same location along with the original lighting. This room also retains the original layout of office cubicles set within central rows, although their glazing has been covered (Plate 184). In addition, an archival photograph shows that there was no



partition separating the corridor along the western side of the courtyard in this place and it was built later (Plate 185).

- 3.2.13 Plate 18 was taken in the ground floor toilet as evidenced by the shape of the washbasins, which are different from original washbasins on other floors. This plate confirms the originality of the bathrooms of building 6000 (Plate 142). Only the taps have changed.
- 3.2.14 Plates 19, 20, 26 and 29 shows the courtyard of the building from the ground. The first and second floors confirm that the water cascade and brise-soleil are original, although the planting is not, and is no longer representative of the original plans (compare with Plates 174, 300 and 331).
- 3.2.15 Plates 21, 22 and 23 were taken on the first floor by the south staircase. They show that nothing has changed in the spatial arrangement of this part of the building. There are minor changes to the lighting, although the current one is original. The number of fire extinguishers and anti-fire measures (blanket, alarm, information stickers hung on the wall) shows that the health and safety awareness has increased significantly. Another indicator of today's times is also a container for hand disinfectant liquid, hung on the wall between the staircase and the elevator (Plates 193, 194 and 195).
- 3.2.16 Plates 24 and 25 show the first floor office space. It remains in the same layout as the space on the ground floor of the building. Like there, there is no partition separating the corridor from the courtyard, while in the present there is (Plates 290, 291). In addition, photo 25 shows a corridor running on the outside of the office space, along the east exterior wall of the building. The same layout can be seen in the present both on the east and west sides of the building (Plate 292).
- 3.2.17 Plate 27 shows the original staircase at first floor level. This confirms the assumption that the original character of the staircases in the building has been preserved to this day (Plates 159 and 171).
- 3.2.18 Plate 28 shows the second floor by the south staircase. By analogy with similar Plates from the first floor (Plates 21, 22 and 23), it shows that nothing has changed in the spatial arrangement of this part of the building (Plate 292).

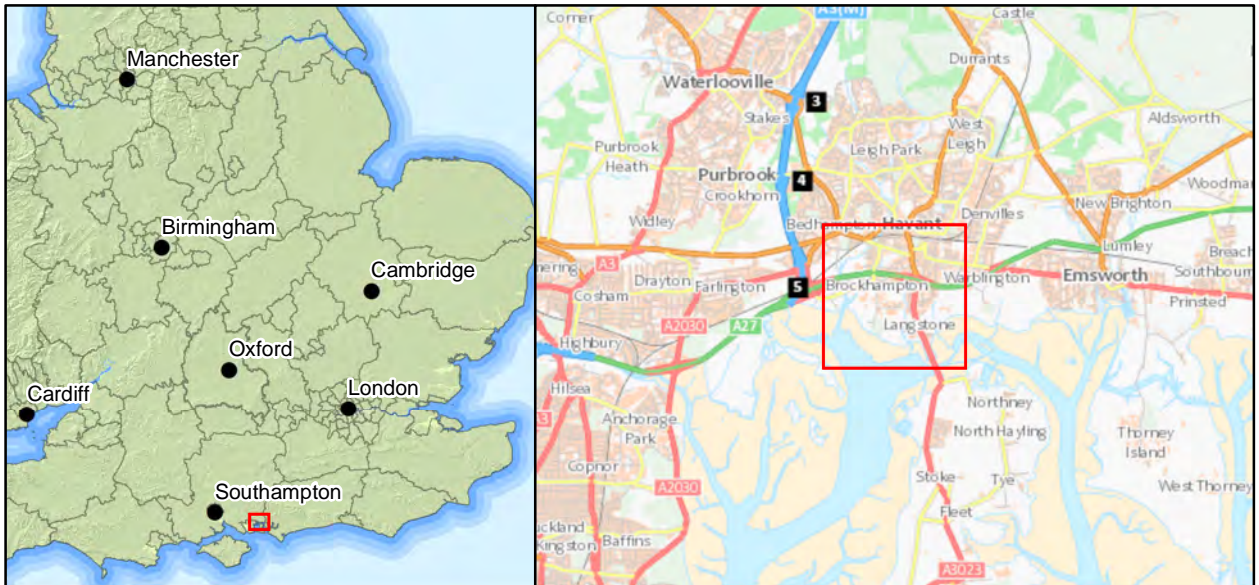
## 4 SUMMARY AND CONCLUSIONS

- 4.1.1 Building 6000 represents an office building designed and built by Arup from 1978-1981. The design was led by David Thomas, with involvement on the garden courtyard feature by James Russell. It forms the last building of a wider manufacturing complex constructed from 1968-81 in Langstone Park, Havant for the computer giant IBM. Building 6000 was built to replace temporary offices which formerly served the complex. It is an example of the architectural style known as Brutalism, which was popular throughout 1950 and 1970.
- 4.1.2 Externally the building is clad in horizontal concrete panels with two bands of glazing running the full length of each elevation. The ground floor has a concrete portico with glazing of the offices and brick walls set back behind a brick and grass bank.
- 4.1.3 In terms of its construction, building 6000 is set on a concrete slab with reinforced concrete columns arranged on a standardised and repeatable grid. The cladding is attached to vertical steel I-beams, which themselves are attached to the concrete frame on pre-cast brackets.
- 4.1.4 Placed centrally, there is a courtyard area overlooked by glazed elevations on all sides. A water cascade feature is located within the interior and a brise-soleil suspended on each level. The planting represents a tropical character with palms.
- 4.1.5 The present building most closely represents its original use and basic layout, albeit with some modern rearrangement of the internal partitions. Part of office spaces have been altered and re-arranged through further subdivision or opening out as a result of the building's use by multiple occupants with about half of original office cubicles remaining. The general layout of the building, staircases, toilets and even some furniture have been preserved to this day, which is confirmed by archival photos.

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## APPENDIX A BIBLIOGRAPHY

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Contains Ordnance Survey data © Crown copyright and database right 2018  
 Contains OS data © Crown Copyright and database right 2020  
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Figure 1: Site location

Data sourced from EDP Plan for client XLB Property Ltd. Drawing title: "Plan EDP 1: Part of the site" Drawing Number: eodp037\_2001b. Date: 27 May 2021.



Not to scale

- Phase 1: 1968-69
- Phase 2: 1969-1970
- Phase 3: 1970
- Phase 4: 1970-71
- Phase 5: 1971-72
- Phase 6: 1978-79
- Phase 7: 1978-1981

Figure 2: Development phase plan of the IBM plant in Havant

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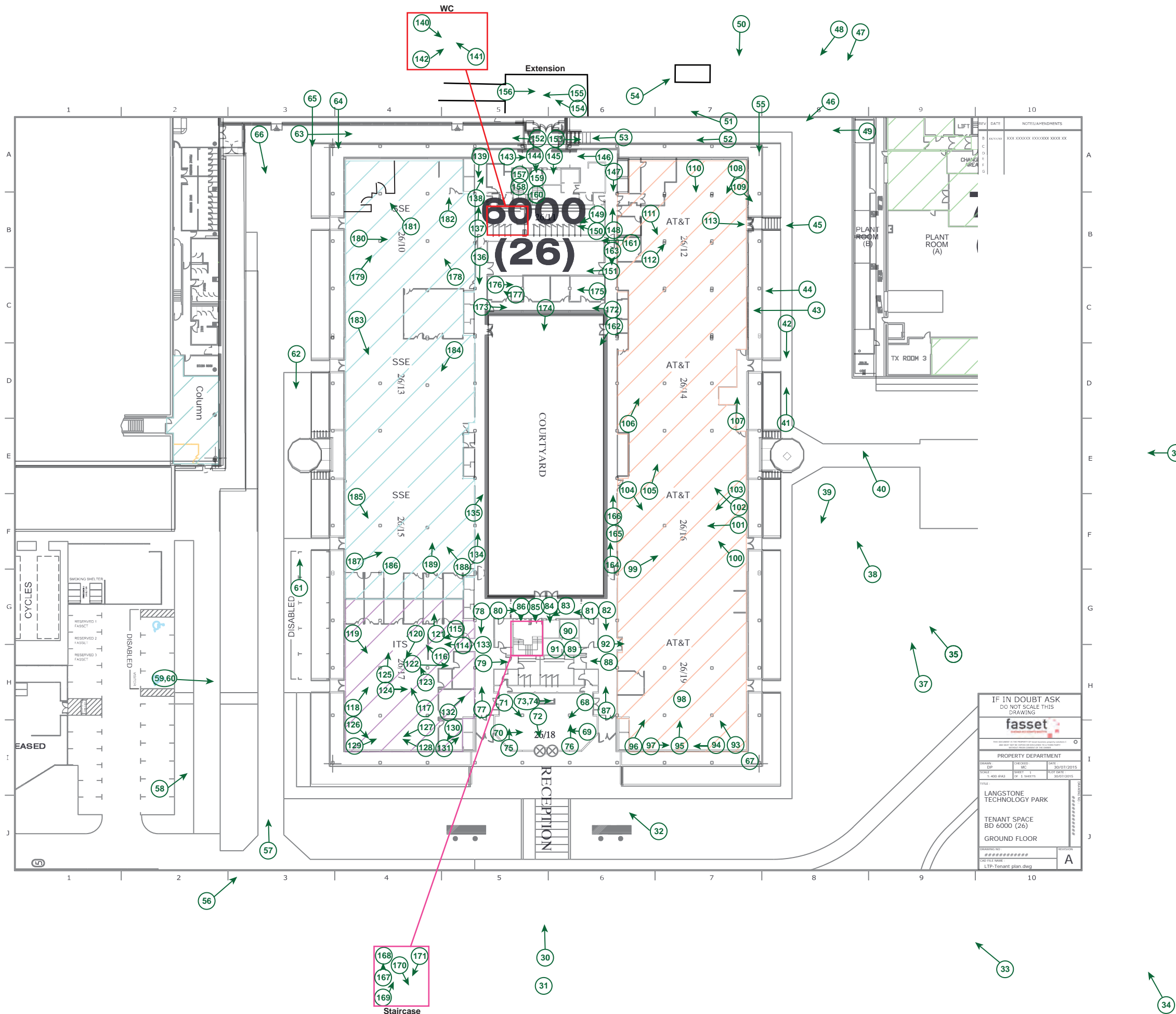


Figure 3: Plan of Building 6000, Ground floor

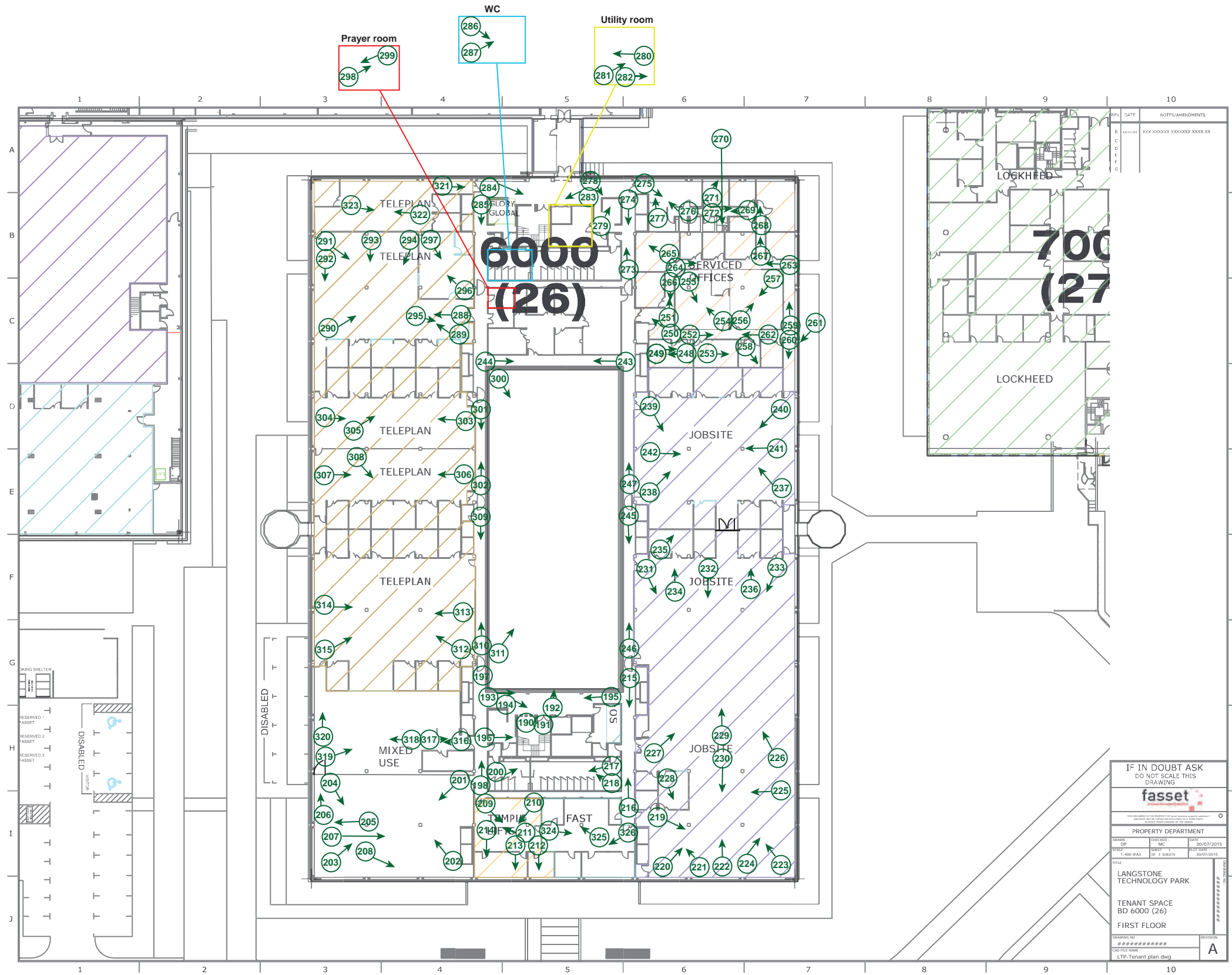


Figure 4: Plan of Building 6000, First floor

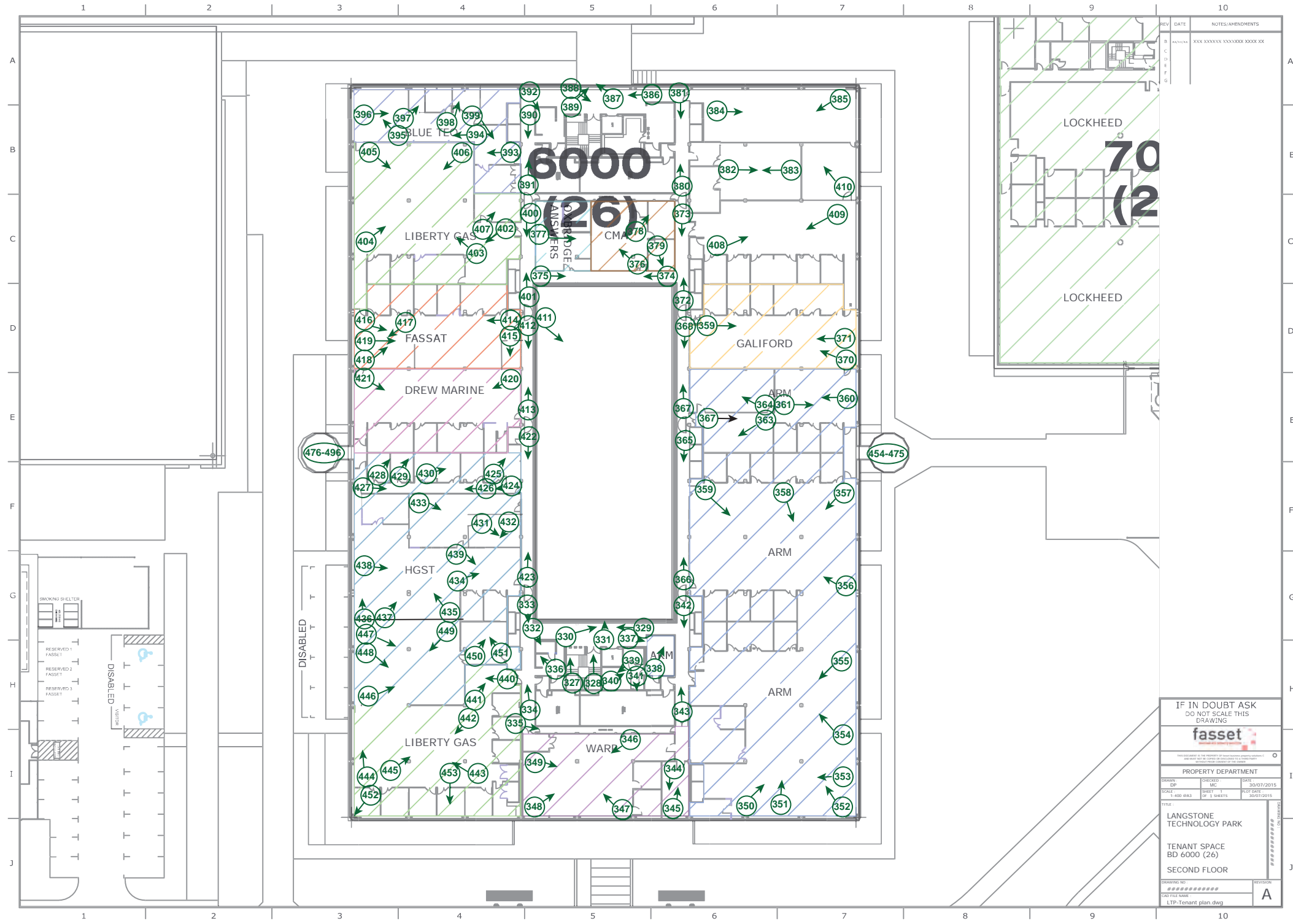


Figure 5: Plan of Building 6000, Second floor



## Archival Photos

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Plate 1: Main entrance to Building 6000, looking north, 1980.



Plate 2: Main entrance to Building 6000, looking north- east, 1980.



Plate 3: Southeast corner of Building 6000, looking north- west, 1980.



Plate 4: East staircase tower, looking north, 1979.



Plate 5: East staircase tower, looking north, 1979.



Plate 6: East staircase tower, looking north- west, 1979.



Plate 7: East staircase tower, looking west, 1979.



Plate 8: Northeast corner of Building 6000, looking south- west, 1980.



Plate 9: South- western corner of Building 6000, looking north- east, 1980.



Plate 10: West staircase tower, looking east, 1980.



Plate 11: Ground Floor, main reception, looking north- east, 1980.



Plate 12: Ground Floor, west corridor, looking south, 1980.



Plate 13: Ground Floor, east corridor, looking south- west, 1980.



Plate 14: Ground Floor, east wing, one of the offices, looking south- west, 1980.



Plate 15: Ground Floor, west wing, one of the offices, looking east, 1980.



Plate 16: Ground Floor, west wing, one of the offices, looking south-east, 1980.





Plate 17: Ground Floor, west wing, one of the offices, looking south- east, 1980.



Plate 18: Ground Floor, south part of Building 6000, men's toilet, looking north- west, 1980.



Plate 19: Ground Floor, courtyard, looking north, 1980.



Plate 20: Ground Floor, courtyard, looking south, 1980.



Plate 21: First Floor, south corridor, looking west, 1980.



Plate 22: First Floor, south corridor, looking west, 1980.



Plate 23: First Floor, south corridor, looking east, 1980.



Plate 24: First Floor, west wing, one of the offices, looking east, 1980.



Plate 25: First Floor, west wing, one of the offices, looking north, 1980.



Plate 26: First Floor, courtyard, looking south- east, 1980.



Plate 27: First Floor, one of the staircases, 1980.



Plate 28: Second Floor, south corridor, looking east, 1980.



Plate 29: Second Floor, courtyard, looking north- east, 1980.

## External Photos



Plate 30: South façade of Building 6000, looking north.



Plate 31: Main entrance to Building 6000, looking north.



Plate 32: Main entrance to Building 6000, looking north- west.





Plate 33: Southeast corner of Building 6000, looking north- west.



Plate 34: East elevation of Building 6000 and south elevation of Building 7000, looking north.



Plate 35: East elevation of Building 6000, looking north- west.



Plate 36: East elevation of Building 6000, looking west.



Plate 37: East elevation of Building 6000, looking north- west.



Plate 38: East elevation of Building 6000, looking north- west.



Plate 39: East elevation of Building 6000, looking south- west.



Plate 40: East elevation of Building 6000, looking north- west.



Plate 41: Walkway between buildings 6000 and 7000, looking north.



Plate 42: East staircase tower, looking south.

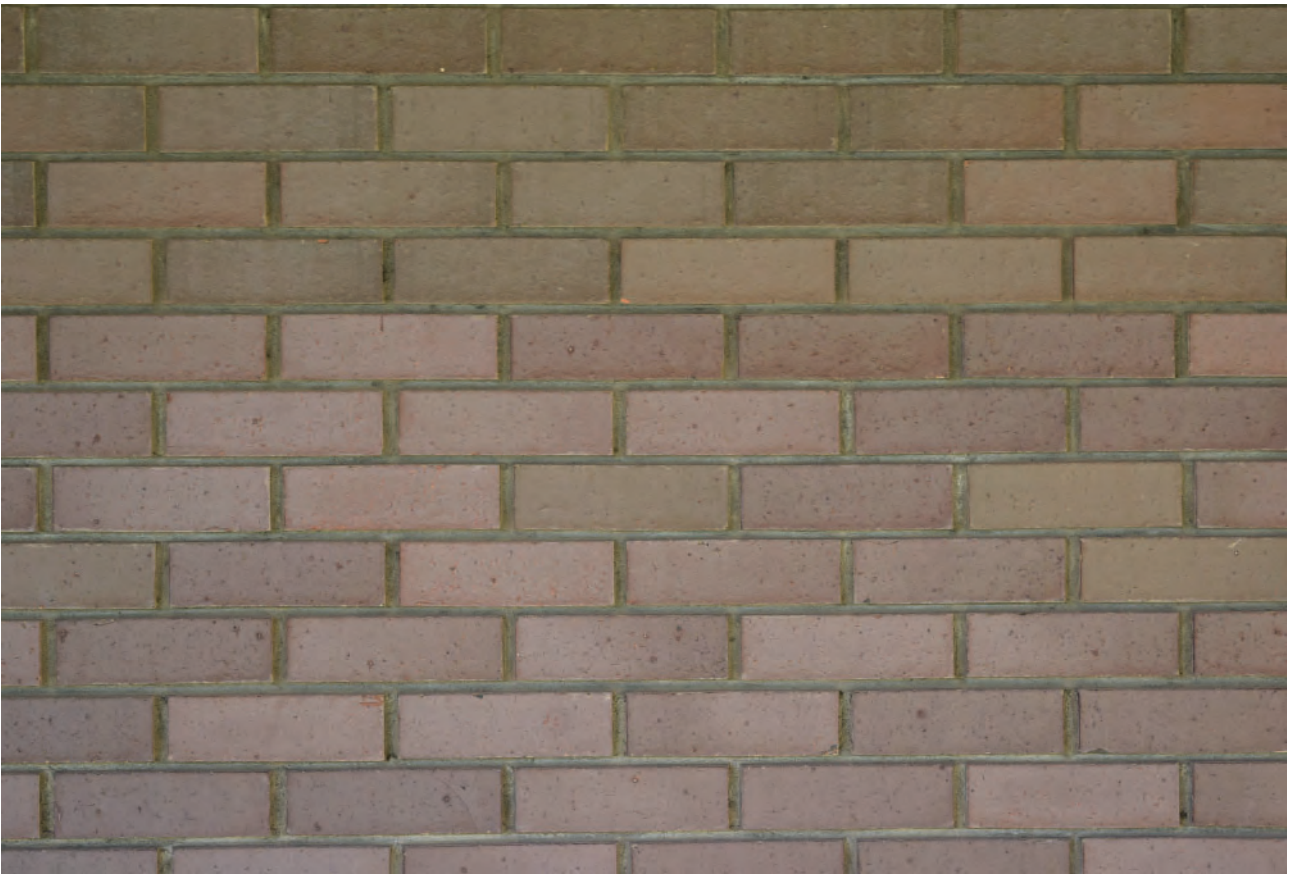


Plate 43: Example of an exterior brick wall, east elevation, looking west.



Plate 44: Example of steel channel beam, east elevation, looking west.



Plate 45: East elevation, one of the glazed emergency exits, looking west.



Plate 46: North- east corner of Building 6000, looking south- west.



Plate 47: North- east corner of Building 6000, looking south- west.



Plate 48: North elevation of Building 6000, looking south- west.





Plate 49: Connection between Buildings 6000 and 4000, looking west.



Plate 50: North elevation of Building 6000, looking south.



Plate 51: Connection between buildings 6000 and 4000, looking west.



Plate 52: Connection between buildings 6000 and 4000, looking west.



Plate 53: Connection between buildings 6000 and 4000, emergency exit, looking west.



Plate 54: Brick structure on the north side of Building 6000, looking north-east.



Plate 55: East concrete portico with glazing of the offices, looking south.



Plate 56: South- western corner of Building 6000, looking north- east.



Plate 57: Walkway between Buildings 6000 and 5000, looking north.



Plate 58: West elevation of Building 6000, looking north-east.



Plate 59: West elevation, one of the glazed emergency exits, looking east.



Plate 60: West elevation, one of the glazed emergency exits, looking east.



Plate 61: West staircase tower, looking north.



Plate 62: West staircase tower, looking south.



Plate 63: Connection between buildings 6000 and 4000, looking east.



Plate 64: West concrete portico with glazing of the offices, looking south.



Plate 65: West staircase tower, looking south.





Plate 66: Northwest corner of Building 6000, looking south- east.



Plate 67: Southeast corner of Building 6000, detail of the concrete portico ceiling, looking north- east.

## Internal Photos Ground Floor

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Plate 68: South part of Building 6000, main reception, looking south- west.



Plate 69: South part of Building 6000, main reception, looking west.



Plate 70: South part of Building 6000, main reception, looking east.



Plate 71: South part of Building 6000, main reception, looking south-east.



Plate 72: South part of Building 6000, main entrance, looking south.



Plate 73: South part of Building 6000, main reception, looking east.

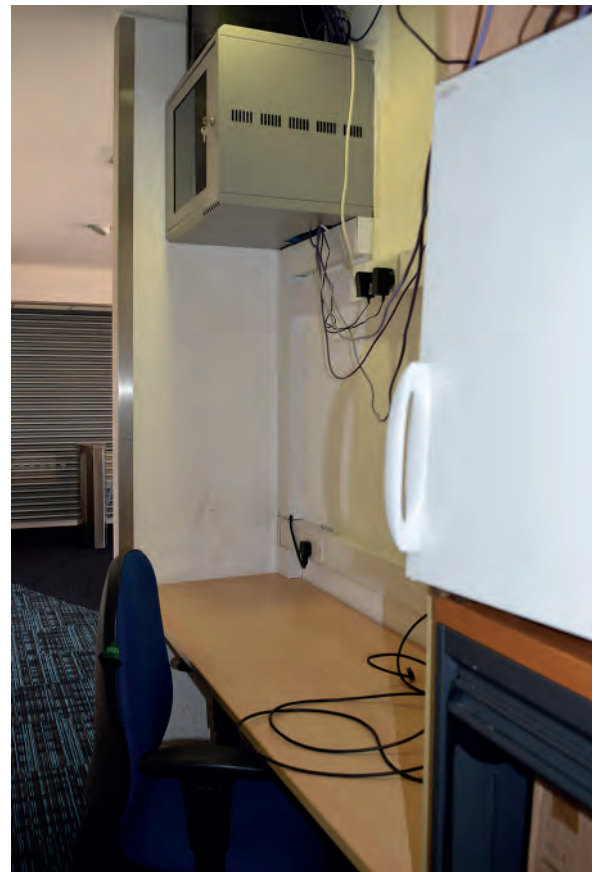


Plate 74 :South part of Building 6000, back to the main reception, looking south-east.



Plate 75: South part of Building 6000, west part of the main reception, looking north.



Plate 76: South part of Building 6000, east part of the main reception, looking north.



Plate 77: South part of Building 6000, west corridor, looking north.



Plate 78: South part of Building 6000, west corridor, looking south.



Plate 79: South part of Building 6000, west corridor, door to the women's toilet, looking east.



Plate 80: South part of Building 6000, south corridor, looking east.



Plate 81: South part of Building 6000, south corridor, looking west.



Plate 82: South part of Building 6000, east corridor of, looking south.





Plate 83: South part of Building 6000, south corridor, looking south- west.



Plate 84: South part of Building 6000, south corridor, elevator entrance, looking south.



Plate 85: South part of Building 6000, south corridor, stairway entrance, looking south.



Plate 86: South part of Building 6000, south corridor, staircase glazing, looking south.



Plate 87: South part of Building 6000, east corridor, looking north.



Plate 88: South part of Building 6000, east corridor, door to the men's toilet, looking west.



Plate 89: South part of Building 6000, east corridor, engine room, looking north- west.



Plate 90: South part of Building 6000, east corridor, engine room, looking south- east.



Plate 91: South part of Building 6000, east corridor, ceiling of engine room.



Plate 92: South part of Building 6000, east corridor, example of door to one of the offices, looking east.



Plate 93: East wing of Building 6000, south office space, looking north-west.



Plate 94: East wing of Building 6000, south office south office space, looking west.



Plate 95: East wing of Building 6000, south office south office space, looking north.



Plate 96: East wing of Building 6000, south office south office space, looking north- east.



Plate 97: East wing of Building 6000, south office south office space, looking east.



Plate 98: East wing of Building 6000, south office south office space, ceiling detail, looking north- west.



Plate 99: East wing of Building 6000, middle office space, looking east.





Plate 100: East wing of Building 6000, middle office space, looking north- west.



Plate 101: East wing of Building 6000, middle office space, looking west.



Plate 102: East wing of Building 6000, middle office space, looking north- west.



Plate 103: East wing of Building 6000, middle office space, looking south- west.



Plate 104: East wing of Building 6000, middle office space, looking south- east.



Plate 105: East wing of Building 6000, middle office space, looking north- east.



Plate 106: East wing of Building 6000, middle office space, looking north- east.



Plate 107: East wing of Building 6000, middle office space, looking north- west.



Plate 108: East wing of Building 6000, north office space, looking south- west.



Plate 109: East wing of Building 6000, north office space, view through the window, looking south- east.



Plate 110: East wing of Building 6000, north office space, looking south.



Plate 111: East wing of Building 6000, north office space, looking south-east.



Plate 112: East wing of Building 6000, north office space, looking north- east.



Plate 113: East wing of Building 6000, north office space, emergency exit, looking east.



Plate 114: West wing of Building 6000, south office space, office reception, looking west.



Plate 115: West wing of Building 6000, south office space, office reception, looking south-east.





Plate 116: West wing of Building 6000, south office space, office reception, looking north- west.



Plate 117: West wing of Building 6000, south office space, looking north- west.



Plate 118: West wing of Building 6000, south office space, looking north- east.



Plate 119: West wing of Building 6000, south office space, looking south- east.



Plate 120: West wing of Building 6000, south office space, looking south- west.



Plate 121: West wing of Building 6000, south office space, office cubicles set, looking north.



Plate 122: West wing of Building 6000, south office space, looking east.



Plate 123: West wing of Building 6000, south office space, office cubicles set, looking north- west.



Plate 124: West wing of Building 6000, south office space, looking east.



Plate 125: West wing of Building 6000, south office space, office cubicles set, looking north.



Plate 126: West wing of Building 6000, south office space, looking south- east.



Plate 127: West wing of Building 6000, south office space, looking south- west.



Plate 128: West wing of Building 6000, south office space, looking north- west.



Plate 129: West wing of Building 6000, south office space, looking north- east.



Plate 130: West wing of Building 6000, south office space, looking south- west.



Plate 131: West wing of Building 6000, south office space, looking north- east.





Plate 132: West wing of Building 6000, south office space, looking north- east.



Plate 133: South part of Building 6000, west corridor, signs, looking east.



Plate 134: West wing of Building 6000, middle part of west corridor, looking north.



Plate 135: West wing of Building 6000, middle part of west corridor, view of the courtyard, looking north-east.



Plate 136: West wing of Building 6000, middle part of west corridor, looking south.



Plate 137: North part of Building 6000, west corridor, looking north.



Plate 138: North part of Building 6000, west corridor, wooden structure, looking north-east.



Plate 139: North part of Building 6000, west corridor, looking south.



Plate 140: North part of Building 6000, west corridor, women's toilet, looking south-east.



Plate 141: North part of Building 6000, west corridor, women's toilet, looking north- west.



Plate 142: North part of Building 6000, west corridor, women's toilet, looking north- east.



Plate 143: North part of Building 6000, north corridor, looking east.



Plate 144: North part of Building 6000, north corridor, stairway entrance, looking south- west.



Plate 145: North part of Building 6000, north corridor, elevator entrance, looking south- east.



Plate 146: North part of Building 6000, north corridor, looking west.



Plate 147: North part of Building 6000, west corridor, looking south.



Plate 148: North part of Building 6000, west corridor, looking north.



Plate 149: North part of Building 6000, west corridor, men's toilet, looking south- west.





Plate 150: North part of Building 6000, west corridor, men's toilet, looking north- west.



Plate 151: North part of Building 6000, room to the south of the toilets, looking west.



Plate 152: North part of Building 6000, connection between Buildings 6000 and 4000, western emergency door, looking west.



Plate 153: North part of Building 6000, connection between Buildings 6000 and 4000, eastern emergency door, looking east.



Plate 154: South part of Building 4000, rest room, looking north- west.



Plate 155: South part of Building 4000, corridor from rest room, looking west.



Plate 156: South part of Building 4000, rest room, looking east.



Plate 157: North part of Building 6000, staircase skylight.



Plate 158: North part of Building 6000, staircase, looking south- east.

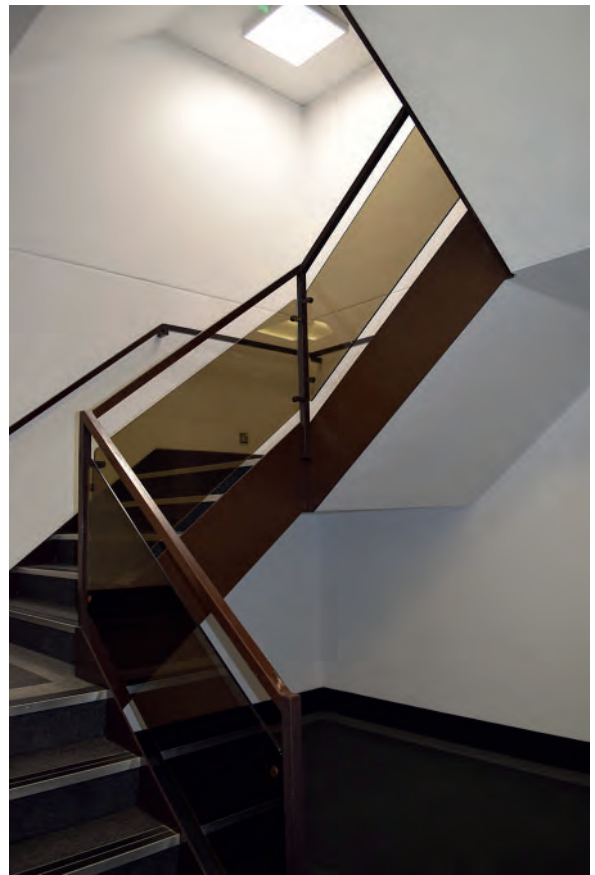


Plate 159: North part of Building 6000, staircase, looking south- west.



Plate 160: North part of Building 6000, staircase, looking north- east.



Plate 161: North part of Building 6000, sign on the door to the substation room, looking west.



Plate 162: East wing of Building 6000, middle part of east corridor, view of the courtyard, looking south-west.



Plate 163: East wing of Building 6000, middle part of east corridor, looking south.



Plate 164: East wing of Building 6000, middle part of east corridor, looking north.



Plate 165: East wing of Building 6000, middle part of east corridor, view of the courtyard, looking north-west.



Plate 166: East wing of Building 6000, middle part of east corridor, looking north.



Plate 167: South part of Building 6000, staircase glazing, looking north.



Plate 168: South part of Building 6000, staircase skylight.





Plate 169: South part of Building 6000, staircase, looking north- west.

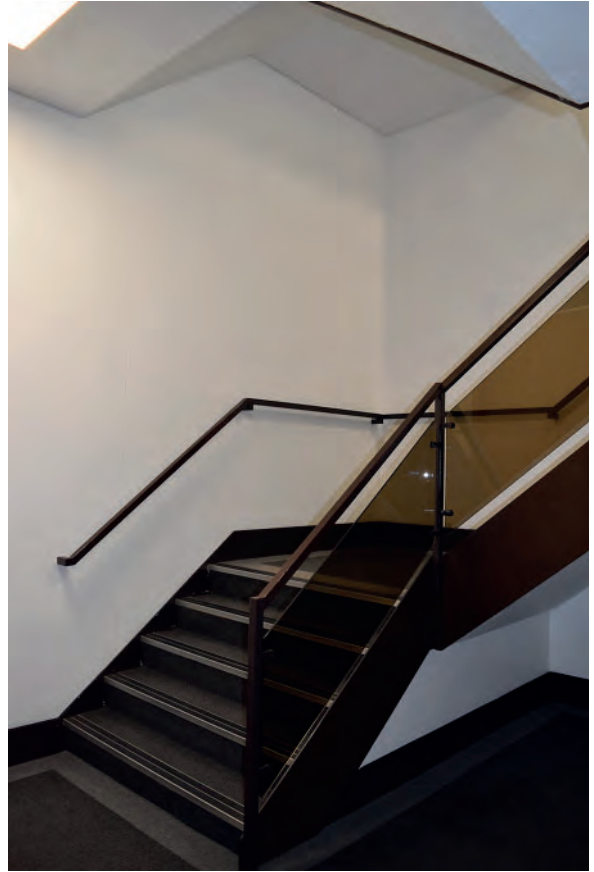


Plate 170: South part of Building 6000, staircase, looking south- east.



Plate 171: South part of Building 6000, staircase, looking south- west.



Plate 172: North part of Building 6000, corridor along the north side of the courtyard, looking west.



Plate 173: North part of Building 6000, corridor along the north side of the courtyard, looking east.



Plate 174: North part of Building 6000, courtyard, looking south.



Plate 175: North part of Building 6000, office space along the north side of the courtyard, looking west.



Plate 176: North part of Building 6000, office space along the north side of the courtyard, looking east.



Plate 177: North part of Building 6000, office space along the north side of the courtyard, looking north-west.



Plate 178: West wing of Building 6000, north office space, looking north-west.



Plate 179: West wing of Building 6000, north office space, looking north- east.



Plate 180: West wing of Building 6000, north office space, looking east.



Plate 181: West wing of Building 6000, north office space, looking north- west.



Plate 182: West wing of Building 6000, north office space, looking north.



Plate 183: West wing of Building 6000, middle office space, looking south- west.



Plate 184: West wing of Building 6000, middle office space, looking north- west.



Plate 185: West wing of Building 6000, middle office space, looking south- east.



Plate 186: West wing of Building 6000, middle office space, office cubicles set looking south- west.





Plate 187: West wing of Building 6000, middle office space, looking north- east.



Plate 188: West wing of Building 6000, middle office space, looking north- west.



Plate 189: West wing of Building 6000, middle office space, looking north.

## ***First Floor***



Plate 190: South part of Building 6000, staircase glazing, looking north.

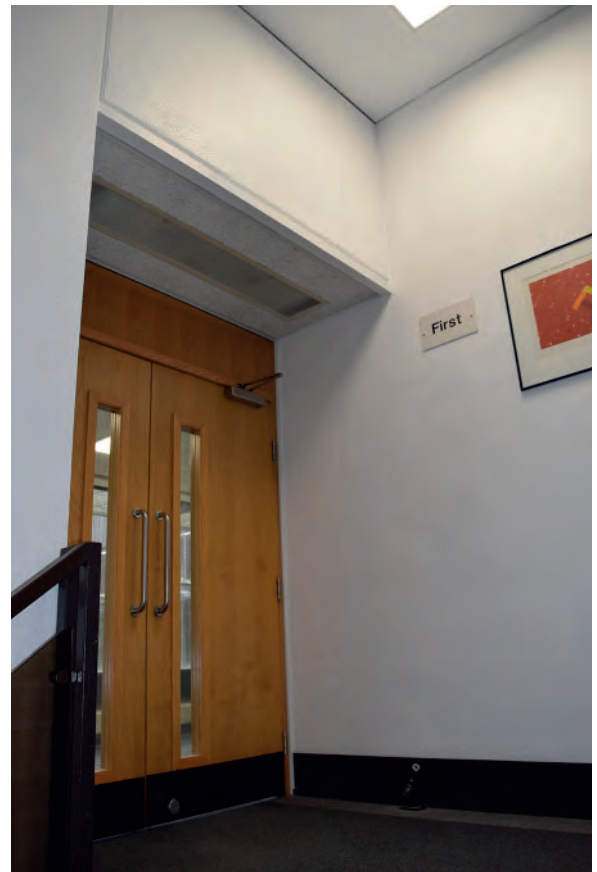


Plate 191: South part of Building 6000, staircase, looking north-east.



Plate 192: South part of Building 6000, courtyard, looking north.



Plate 193: South part of Building 6000, south corridor, looking east.



Plate 194: South part of Building 6000, south corridor, looking south- east.



Plate 195: South part of Building 6000, south corridor, looking west.

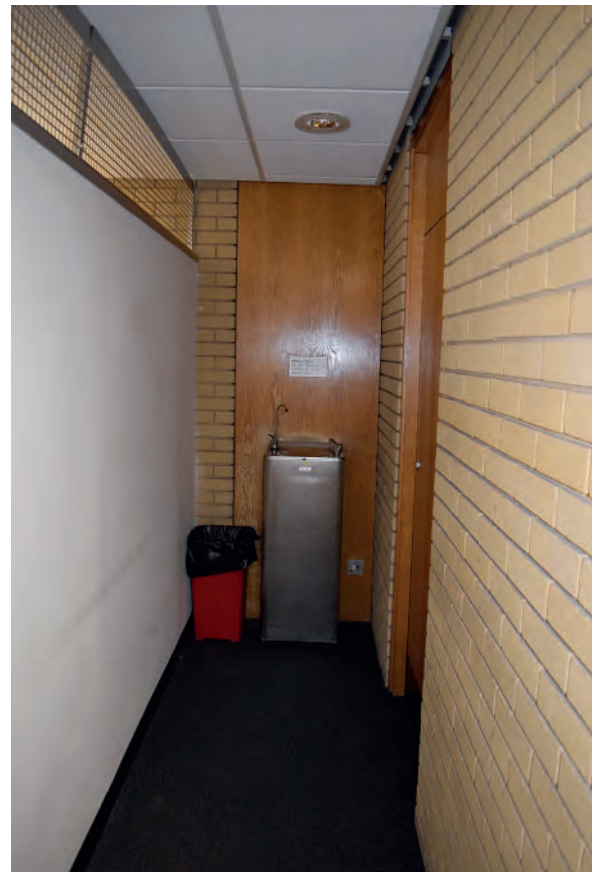


Plate 196: South part of Building 6000, south part of west corridor, looking east.



Plate 197: South part of Building 6000, west corridor, looking south.



Plate 198: South part of Building 6000, west corridor, looking north.



Plate 199: South part of Building 6000, west corridor, women's toilet, looking south-east.



Plate 200: South part of Building 6000, west corridor, women's toilet, looking north- east.



Plate 201: West wing of Building 6000, south office space, looking south- west.



Plate 202: West wing of Building 6000, south office space, looking north- west.



Plate 203: West wing of Building 6000, south office space, looking north- east.



Plate 204: West wing of Building 6000, south office space, looking south- east.



Plate 205: West wing of Building 6000, south office space, looking west.





Plate 206: West wing of Building 6000, south office space, looking north.

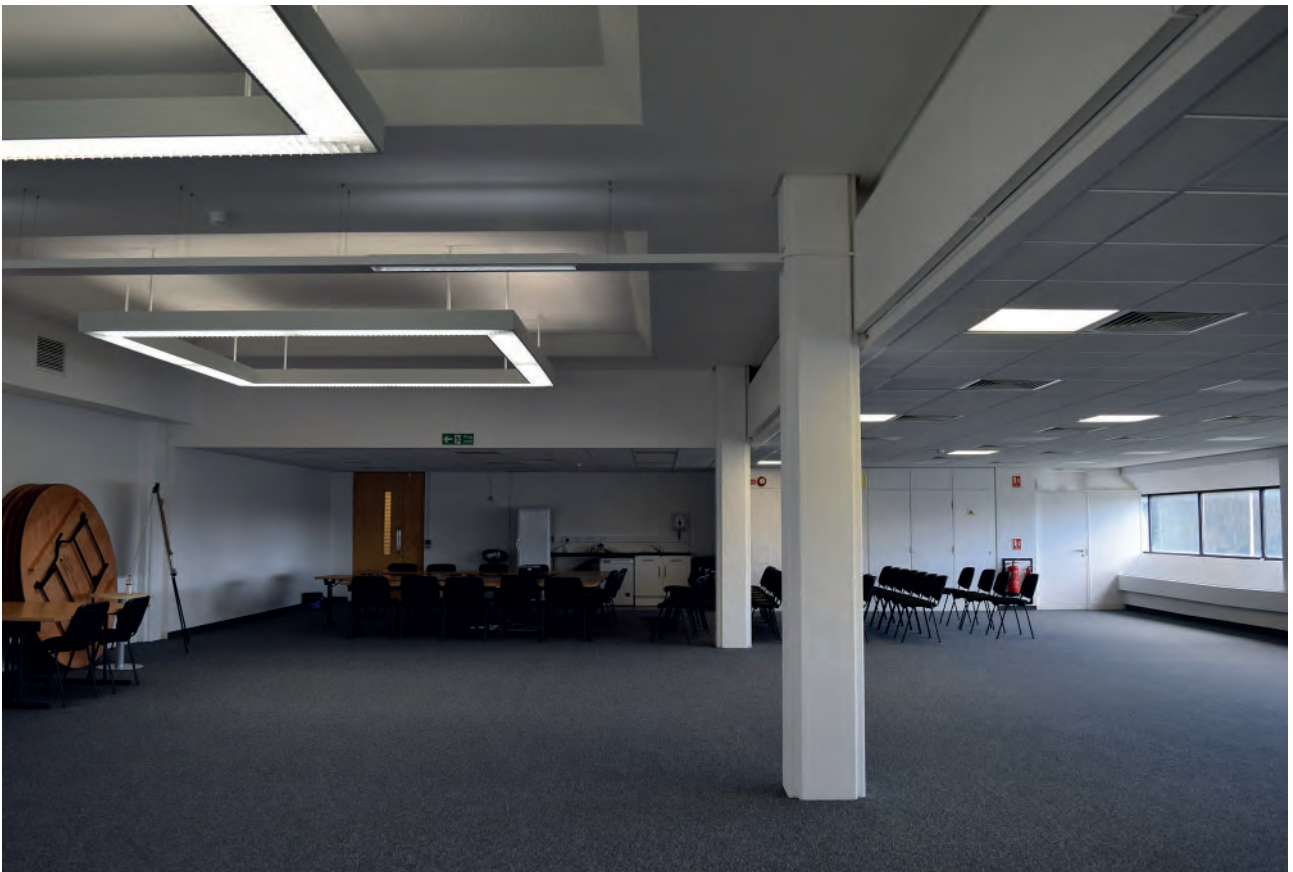


Plate 207: West wing of Building 6000, south office space, looking east.



Plate 208: West wing of Building 6000, south office space, looking south- east.



Plate 209: South part of Building 6000, south office space, looking south- east.



Plate 210: South part of Building 6000, south office space, looking south- west.



Plate 211: South part of Building 6000, south office space, looking north- west.



Plate 212: South part of Building 6000, south office space, looking south.



Plate 213: South part of Building 6000, south office space, looking south.



Plate 214: South part of Building 6000, south office space, looking south.



Plate 215: South part of Building 6000, east corridor, looking south.



Plate 216: South part of Building 6000, east corridor, looking north.



Plate 217: South part of Building 6000, east corridor, men's toilet, looking south- west.



Plate 218: South part of Building 6000, east corridor, men's toilet, looking north- west.



Plate 219: East wing of Building 6000, south office space, looking south- east.



Plate 220: East wing of Building 6000, south office space, looking north- east.



Plate 221: East wing of Building 6000, south office space, looking north- west.



Plate 222: East wing of Building 6000, south office space, looking north.





Plate 223: East wing of Building 6000, south office space, looking north- west.



Plate 224: East wing of Building 6000, south office space, looking north- east.



Plate 225: East wing of Building 6000, south office space, looking west.



Plate 226: East wing of Building 6000, middle office space, looking north- west.



Plate 227: East wing of Building 6000, middle office space, looking north- east.



Plate 228: East wing of Building 6000, south office space, looking south- east.



Plate 229: East wing of Building 6000, middle office space, looking north.



Plate 230: East wing of Building 6000, south office space, looking south.



Plate 231: East wing of Building 6000, middle office space, looking south- east.



Plate 232: East wing of Building 6000, middle office space, looking south.



Plate 233: East wing of Building 6000, middle office space, looking south- west.



Plate 234: East wing of Building 6000, middle office space, office cubicles set, looking north.



Plate 235: East wing of Building 6000, middle office space, office cubicles set, looking north- east.



Plate 236: East wing of Building 6000, middle office space, office cubicles set, looking north.



Plate 237: East wing of Building 6000, middle office space, looking north- west.



Plate 238: East wing of Building 6000, middle office space, looking north- east.





Plate 239: East wing of Building 6000, middle office space, looking south- east.



Plate 240: East wing of Building 6000, middle office space, looking south- west.



Plate 241: East wing of Building 6000, middle office space, looking west.



Plate 242: East wing of Building 6000, middle office space, looking east.



Plate 243: North part of Building 6000, corridor along the north side of the courtyard, looking west.



Plate 244: North part of Building 6000, corridor along the north side of the courtyard, looking east.



Plate 245: East wing of Building 6000, middle part of east corridor, looking south.



Plate 246: East wing of Building 6000, middle part of east corridor, looking north.



Plate 247: East wing of Building 6000, middle part of east corridor, looking north.



Plate 248: East wing of Building 6000, north office space, looking west.



Plate 249: East wing of Building 6000, north office space, looking east.



Plate 250: East wing of Building 6000, north office space, looking north- west.



Plate 251: East wing of Building 6000, north office space, looking north.



Plate 252: East wing of Building 6000, north office space, looking east.



Plate 253: East wing of Building 6000, north office space, looking east.



Plate 254: East wing of Building 6000, north office space, looking north- west.



Plate 255: East wing of Building 6000, north office space, looking south- east.



Plate 256: East wing of Building 6000, north office space, looking north- east.



Plate 257: East wing of Building 6000, north office space, looking south- west.





Plate 258: East wing of Building 6000, north office space, looking south- east.

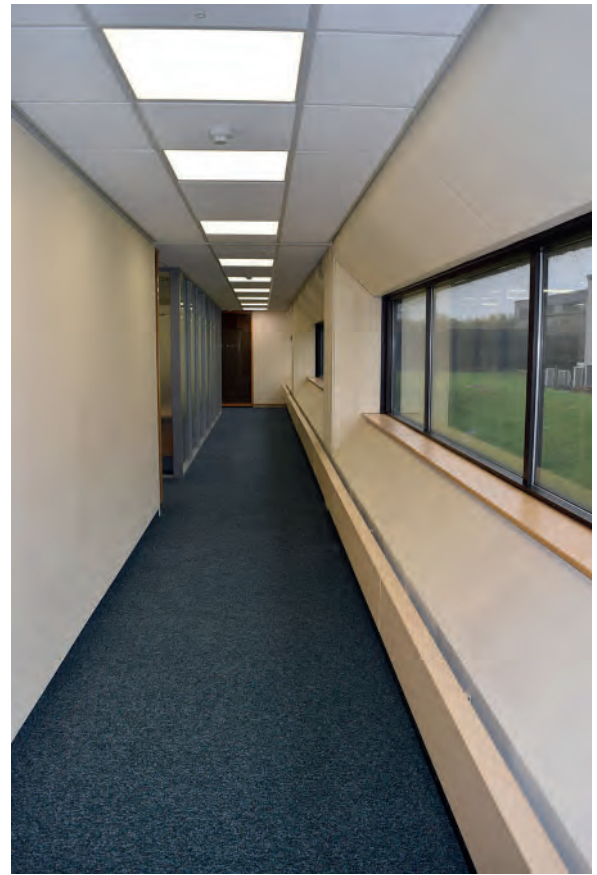


Plate 259: East wing of Building 6000, north office space, looking north.



Plate 260: East wing of Building 6000, north office space, looking south.



Plate 261: East wing of Building 6000, north office space, steel beam, looking east.



Plate 262: East wing of Building 6000, north office space, looking west.

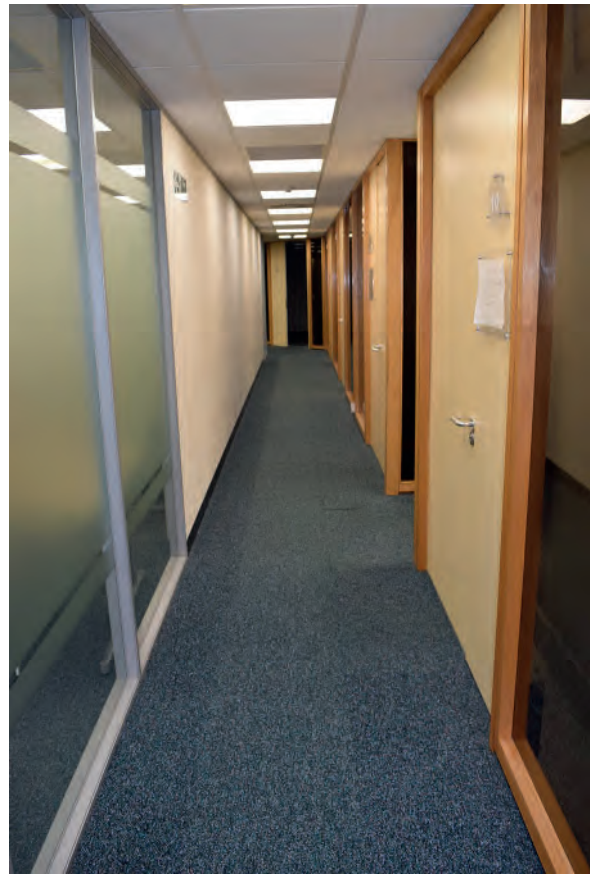


Plate 263: East wing of Building 6000, north office space, looking west.



Plate 264: East wing of Building 6000, north office space, looking east.



Plate 265: East wing of Building 6000, north office space, looking north- west.



Plate 266: East wing of Building 6000, north office space, looking south.



Plate 267: East wing of Building 6000, north office space, looking north.



Plate 268: East wing of Building 6000, north office space, looking north.



Plate 269: East wing of Building 6000, north office space, looking west.



Plate 270: East wing of Building 6000, north office space, looking south.



Plate 271: East wing of Building 6000, north office space, looking north- east.



Plate 272: East wing of Building 6000, north office space, looking east.



Plate 273: North part of Building 6000, east corridor, looking north.



Plate 274: North part of Building 6000, east corridor, looking south.



Plate 275: East wing of Building 6000, north office space, looking south-east.



Plate 276: East wing of Building 6000, north office space, looking north- west.



Plate 277: East wing of Building 6000, north office space, looking north.



Plate 278: North part of Building 6000, wooden structure converted into a utility room, looking south- east.



Plate 279: North part of Building 6000, north corridor, wooden structure converted into a utility room, looking north- east.





Plate 280: North part of Building 6000, north corridor, utility room, looking south- west.



Plate 281: North part of Building 6000, north corridor, utility room, looking north- east.



Plate 282: North part of Building 6000, north corridor, utility room, original sink, looking south- east.



Plate 283: North part of Building 6000, north corridor, looking south- west.



Plate 284: North part of Building 6000, north corridor, looking south- east.



Plate 285: North part of Building 6000, west corridor, looking south.



Plate 286: North part of Building 6000, west corridor, women's toilet, looking south- east.



Plate 287: North part of Building 6000, west corridor, women's toilet, looking north- east.



Plate 288: West wing of Building 6000, north office space, looking west.



Plate 289: West wing of Building 6000, north office space, looking north- west.



Plate 290: West wing of Building 6000, north office space, looking north- east.



Plate 291: West wing of Building 6000, north office space, looking south- east.



Plate 292: West wing of Building 6000, north office space, looking south.



Plate 293: West wing of Building 6000, north office space, looking south.



Plate 294: West wing of Building 6000, north office space, looking south- west.



Plate 295: West wing of Building 6000, north office space, looking south- east.





Plate 296: West wing of Building 6000, north office space, looking north- west.



Plate 297: West wing of Building 6000, north office space, looking south- east.



Plate 298: North part of Building 6000, west corridor, prayer room, looking north- east.



Plate 299: North part of Building 6000, west corridor, prayer room, looking south- west.



Plate 300: West wing of Building 6000, west corridor, courtyard, looking south- east.



Plate 301: West wing of Building 6000, middle part of west corridor, looking south.



Plate 302: West wing of Building 6000, middle part of west corridor, looking north.



Plate 303: West wing of Building 6000, middle office space, looking west.



Plate 304: West wing of Building 6000, middle office space, looking east.



Plate 305: West wing of Building 6000, middle office space, office cubicles set, looking north- east.



Plate 306: West wing of Building 6000, middle office space, looking west.



Plate 307: West wing of Building 6000, middle office space, looking east.



Plate 308: West wing of Building 6000, middle office space, office cubicles set, looking south-east.



Plate 309: West wing of Building 6000, middle part of west corridor, looking south.

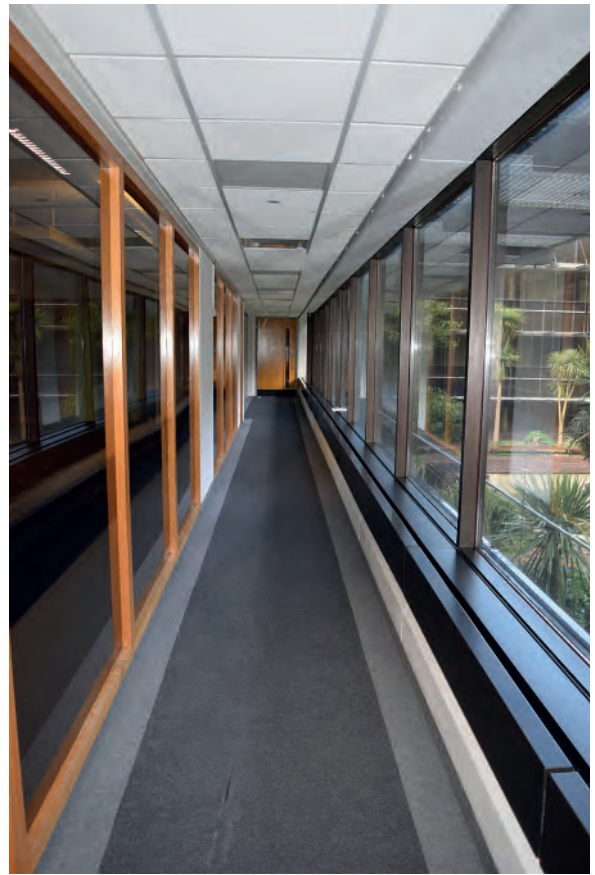


Plate 310: West wing of Building 6000, middle part of west corridor, looking north.



Plate 311: West wing of Building 6000, west corridor, courtyard, looking north-east.



Plate 312: West wing of Building 6000, middle office space, looking north- west.



Plate 313: West wing of Building 6000, middle office space, looking west.





Plate 314: West wing of Building 6000, middle office space, looking east.



Plate 315: West wing of Building 6000, middle office space, looking north-east.



Plate 316: West wing of Building 6000, south office space, looking west.



Plate 317: West wing of Building 6000, south office space, looking east.



Plate 318: West wing of Building 6000, south office space, looking west.



Plate 319: West wing of Building 6000, south office space, looking north- east.



Plate 320: West wing of Building 6000, south office space, looking north.



Plate 321: West wing of Building 6000, north office space, looking east.



Plate 322: West wing of Building 6000, north office space, looking west.



Plate 323: West wing of Building 6000, north office space, looking east.



Plate 324: South part of Building 6000, south office space, looking east.



Plate 325: South part of Building 6000, south office space, looking north- west.



Plate 326: South part of Building 6000, south office space, looking south- west.

## Second Floor

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Plate 327: South part of Building 6000, staircase glazing, looking north.



Plate 328: South part of Building 6000, staircase, looking north- east.



Plate 329: South part of Building 6000, south corridor, looking south- west.



Plate 330: South part of Building 6000, south corridor, looking north- east.



Plate 331: South part of Building 6000, south corridor, courtyard, looking north.





Plate 332: South part of Building 6000, south corridor, west wooden structure, looking south- west.



Plate 333: South part of Building 6000, west corridor, looking south.



Plate 334: South part of Building 6000, west corridor, looking north.



Plate 335: South part of Building 6000, west corridor, substation room, looking east.



Plate 336: South part of Building 6000, west corridor, wooden structure, looking north- west.



Plate 337: South part of Building 6000, south corridor, wooden structure, looking south- east.



Plate 338: South part of Building 6000, south corridor, wooden structure, looking north- east.



Plate 339: South part of Building 6000, utility room, looking south- west.



Plate 340: South part of Building 6000, utility room, looking north- east.



Plate 341: South part of Building 6000, utility room, looking south.



Plate 342: South part of Building 6000, east corridor, looking south.



Plate 343: South part of Building 6000, east corridor, looking north.



Plate 344: South part of Building 6000, south office space, looking south.



Plate 345: South part of Building 6000, south office space, looking north.



Plate 346: South part of Building 6000, south office space, looking south- west.



Plate 347: South part of Building 6000, south office space, looking north- west.



Plate 348: South part of Building 6000, south office space, looking north- east.



Plate 349: South part of Building 6000, south office space, looking east.



Plate 350: East wing of Building 6000, south office space, looking north-east.





Plate 351: East wing of Building 6000, south office space, looking north.



Plate 352: East wing of Building 6000, south office space, looking north- west.



Plate 353: East wing of Building 6000, south office space, looking west.



Plate 354: East wing of Building 6000, south office space, looking north- west.



Plate 355: East wing of Building 6000, south office space, looking south- west.



Plate 356: East wing of Building 6000, middle office space, looking north- west.



Plate 357: East wing of Building 6000, middle office space, looking south- west.



Plate 358: East wing of Building 6000, middle office space, looking south- east.



Plate 359: East wing of Building 6000, middle office space, looking south- east.



Plate 360: East wing of Building 6000, middle office space, looking west.



Plate 361: East wing of Building 6000, middle office space, looking east.



Plate 362: East wing of Building 6000, middle office space, looking east.



Plate 363: East wing of Building 6000, middle office space, looking south- west.



Plate 364: East wing of Building 6000, middle office space, looking north- west.



Plate 365: East wing of Building 6000, middle part of east corridor, looking south.

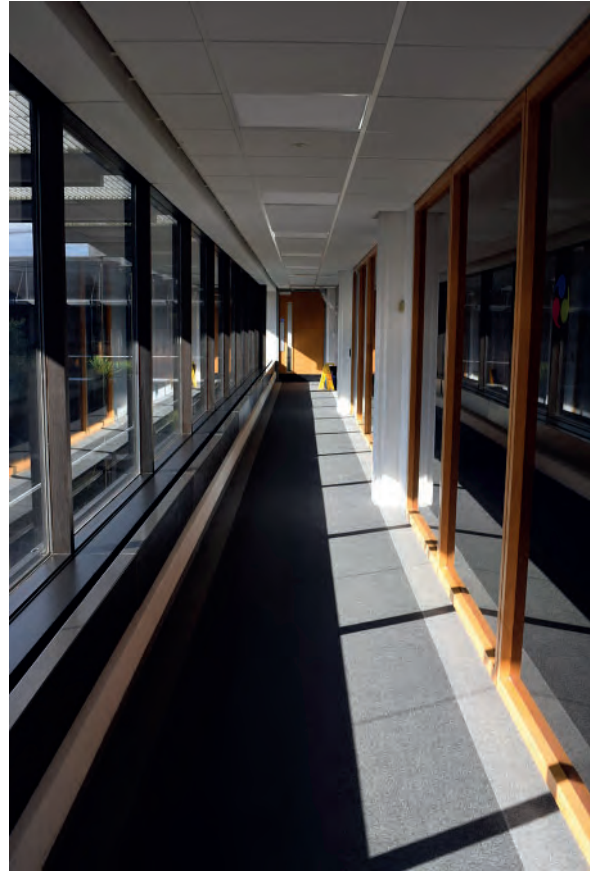


Plate 366: East wing of Building 6000, middle part of east corridor, looking north.



Plate 367: East wing of Building 6000, middle part of east corridor, looking north.



Plate 368: East wing of Building 6000, middle part of east corridor, looking south.



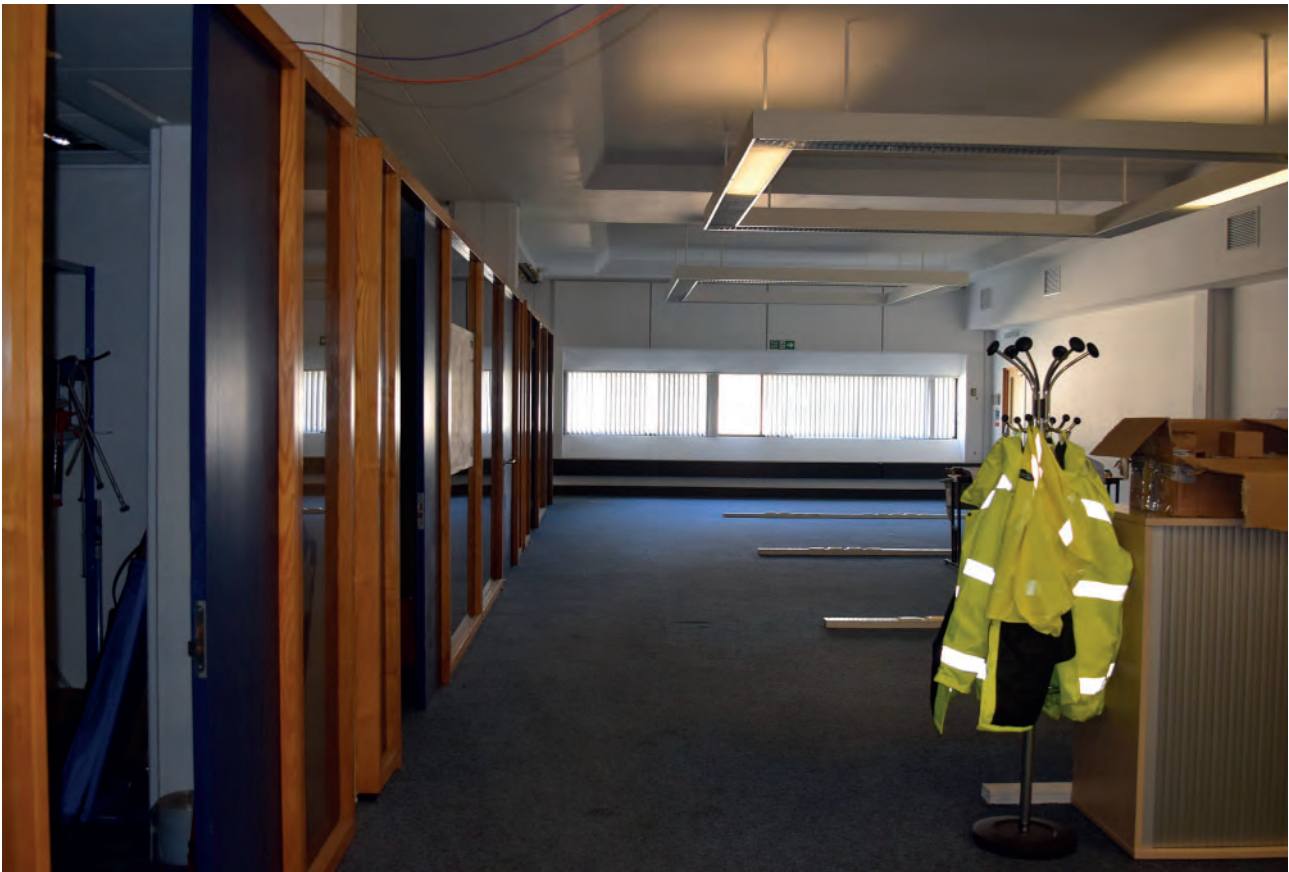


Plate 369: East wing of Building 6000, middle office space, looking east.



Plate 370: East wing of Building 6000, middle office space, looking north- west.



Plate 371: East wing of Building 6000, middle office space, looking west.



Plate 372: North part of Building 6000, east corridor, looking north.



Plate 373: North part of Building 6000, east corridor, looking south.



Plate 374: North part of Building 6000, corridor along the north side of the courtyard, looking west.



Plate 375: North part of Building 6000, corridor along the north side of the courtyard, looking east.



Plate 376: North part of Building 6000, office space along the north side of the courtyard, looking north-west.



Plate 377: North part of Building 6000, office space along the north side of the courtyard, looking west.



Plate 378: North part of Building 6000, office space along the north side of the courtyard, looking north-east.



Plate 379: North part of Building 6000, office space along the north side of the courtyard, looking south-east.



Plate 380: North part of Building 6000, east corridor, looking north.



Plate 381: North part of Building 6000, east corridor, looking south.



Plate 382: East wing of Building 6000, north office space, looking east.



Plate 383: East wing of Building 6000, north office space, looking west.



Plate 384: East wing of Building 6000, north office space, looking east.

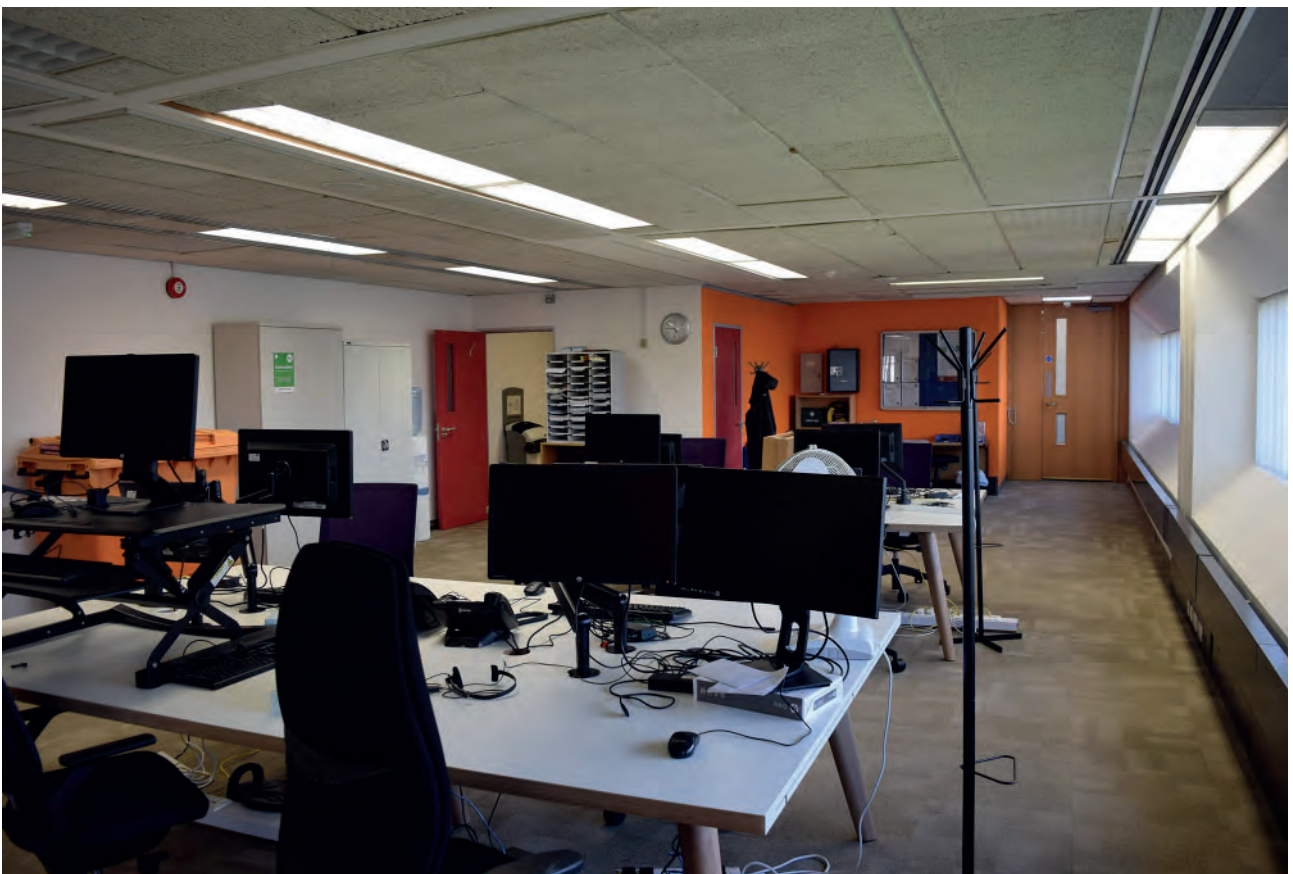


Plate 385: East wing of Building 6000, north office space, looking south- west.



Plate 386: North part of Building 6000, north corridor, looking west.



Plate 387: North part of Building 6000, north corridor, view through the window on the roof of Building 4000, looking north- west.





Plate 388: North part of Building 6000, north corridor, looking south- east.



Plate 389: North part of Building 6000, north corridor, looking north- east.



Plate 390: North part of Building 6000, west corridor, looking south.



Plate 391: North part of Building 6000, west corridor, looking north.



Plate 392: North part of Building 6000, west corridor, wooden structure, looking south-east.



Plate 393: West wing of Building 6000, north office space, looking west.



Plate 394: West wing of Building 6000, north office space, looking west.



Plate 395: West wing of Building 6000, north office space, looking north- west.



Plate 396: West wing of Building 6000, north office space, looking east.



Plate 397: West wing of Building 6000, north office space, looking north- east.



Plate 398: West wing of Building 6000, north office space, looking north.



Plate 399: West wing of Building 6000, north office space, looking south- east.



Plate 400: North part of Building 6000, west corridor, looking south.



Plate 401: North part of Building 6000, west corridor, looking north.



Plate 402: West wing of Building 6000, north office space, looking south- west.



Plate 403: West wing of Building 6000, north office space, looking north- west.



Plate 404: West wing of Building 6000, north office space, looking north- east.



Plate 405: West wing of Building 6000, north office space, looking south- east.





Plate 406: West wing of Building 6000, north office space, looking south- west.



Plate 407: West wing of Building 6000, north office space, looking north- east.



Plate 408: East wing of Building 6000, north office space, looking north- east.



Plate 409: East wing of Building 6000, north office space, looking south- west.



Plate 410: East wing of Building 6000, north office space, looking north- west.



Plate 411: West wing of Building 6000, middle part of west corridor, courtyard, looking south- east.



Plate 412: West wing of Building 6000, middle part of west corridor, looking south.

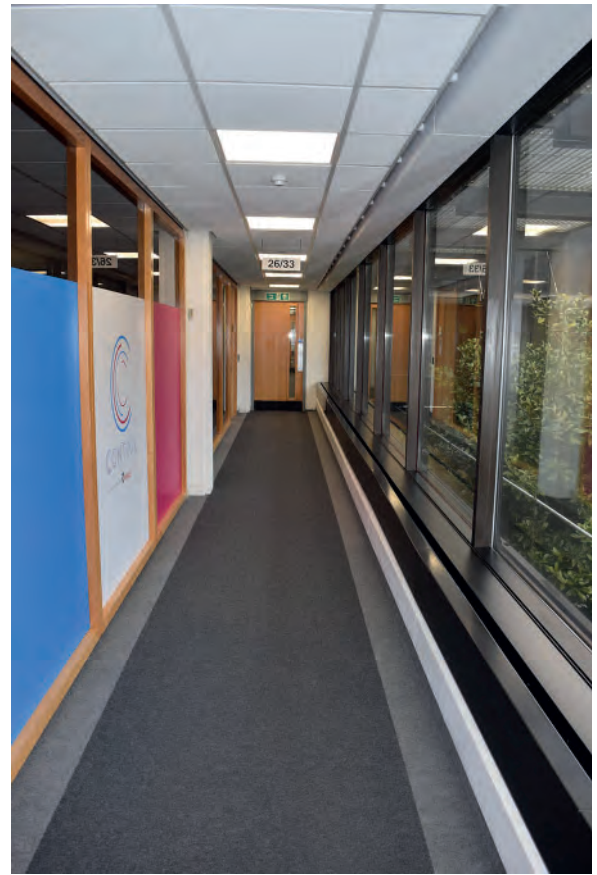


Plate 413: West wing of Building 6000, middle part of west corridor, looking north.



Plate 414: West wing of Building 6000, middle office space, looking south-west.



Plate 415: West wing of Building 6000, middle office space, looking south.



Plate 416: West wing of Building 6000, middle office space, looking south-east.



Plate 417: West wing of Building 6000, middle office space, looking south- west.



Plate 418: West wing of Building 6000, middle office space, looking north- east.



Plate 419: West wing of Building 6000, middle office space, looking west.



Plate 420: West wing of Building 6000, middle office space, looking south- west.

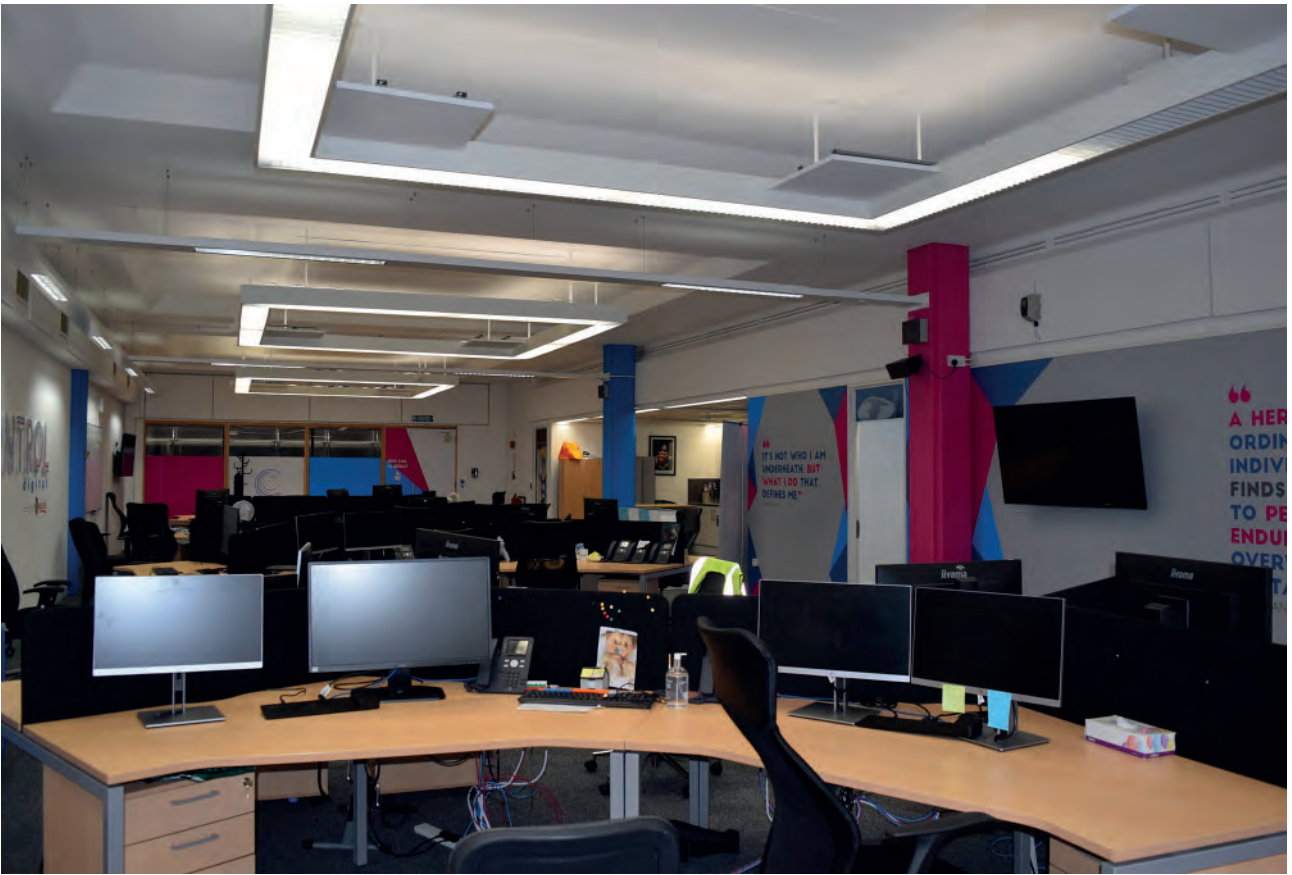


Plate 421: West wing of Building 6000, middle office space, looking south- east.



Plate 422: West wing of Building 6000, middle part of west corridor, looking south.



Plate 423: West wing of Building 6000, middle part of west corridor, looking north.





Plate 424: West wing of Building 6000, middle office space, looking west.



Plate 425: West wing of Building 6000, middle office space, looking north-east.



Plate 426: West wing of Building 6000, middle office space, looking west.

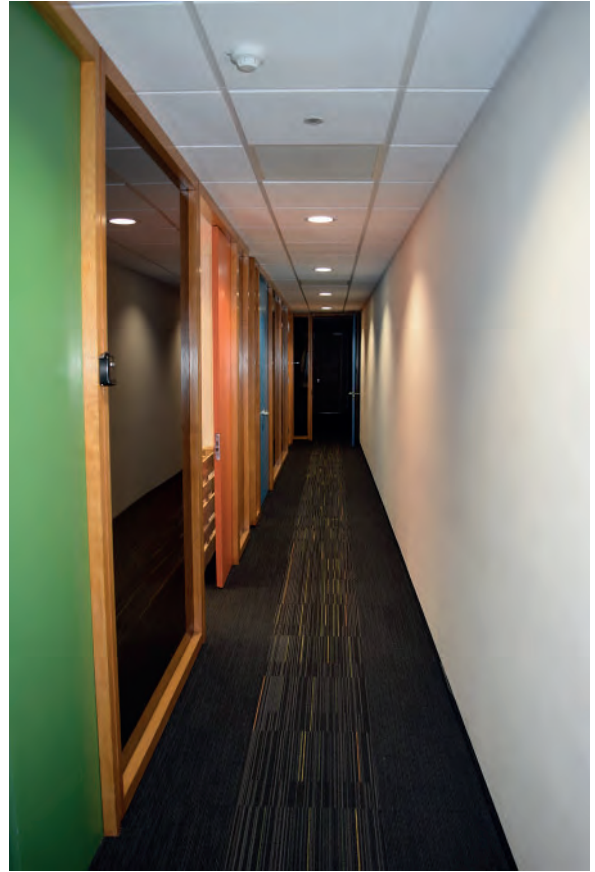


Plate 427: West wing of Building 6000, middle office space, looking east.



Plate 428: West wing of Building 6000, middle office space, looking north- east.

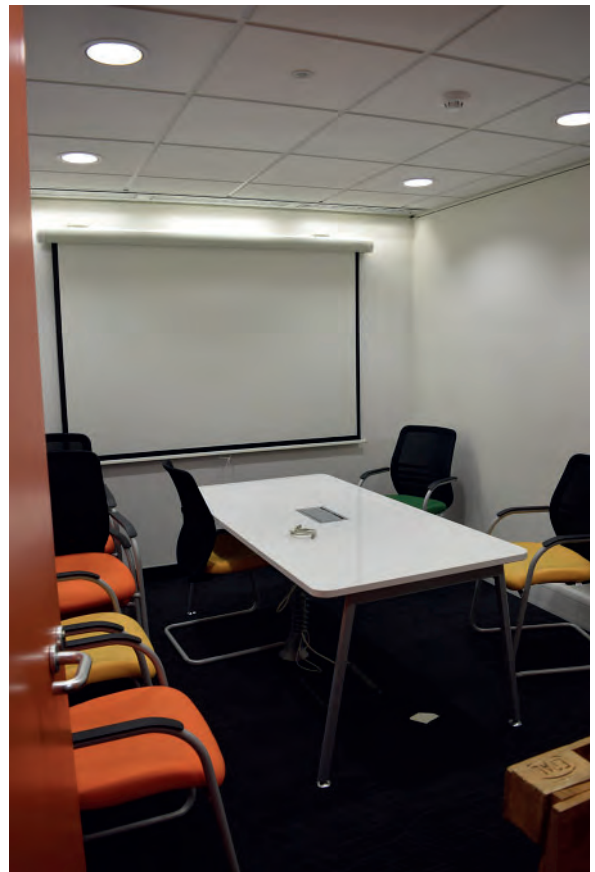


Plate 429: West wing of Building 6000, middle office space, looking north- east.



Plate 430: West wing of Building 6000, middle office space, looking north- east.



Plate 431: West wing of Building 6000, middle office space, looking south- east.





Plate 434: West wing of Building 6000, middle office space, looking north- east.



Plate 435: West wing of Building 6000, middle office space, looking north- west.



Plate 436: West wing of Building 6000, middle office space, looking north.



Plate 437: West wing of Building 6000, middle office space, looking north-east.

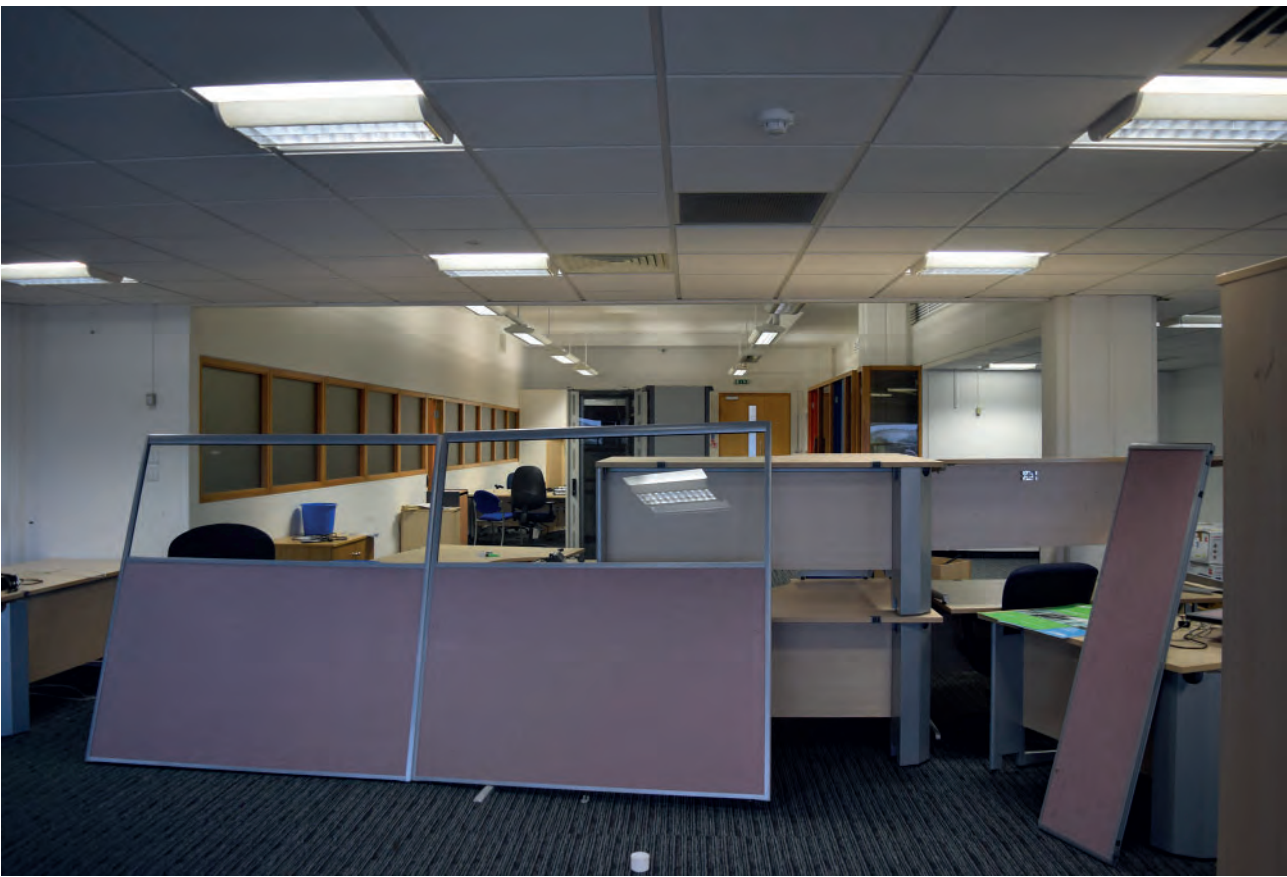


Plate 438: West wing of Building 6000, middle office space, looking east.



Plate 439: West wing of Building 6000, middle office space, looking south-east.



Plate 440: West wing of Building 6000, south office space, looking west.



Plate 441: West wing of Building 6000, south office space, looking north-east.





Plate 442: West wing of Building 6000, south office space, looking south- west.



Plate 443: West wing of Building 6000, south office space, looking north- west.



Plate 444: West wing of Building 6000, south office space, looking north.



Plate 445: West wing of Building 6000, south office space, looking north-east.



Plate 446: West wing of Building 6000, south office space, looking north- east.



Plate 447: West wing of Building 6000, south office space, looking south- east.



Plate 448: West wing of Building 6000, south office space, looking south- east.



Plate 449: West wing of Building 6000, south office space, looking south- west.



Plate 450: West wing of Building 6000, south office space, looking north- east.



Plate 451: West wing of Building 6000, south office space, looking north- west.

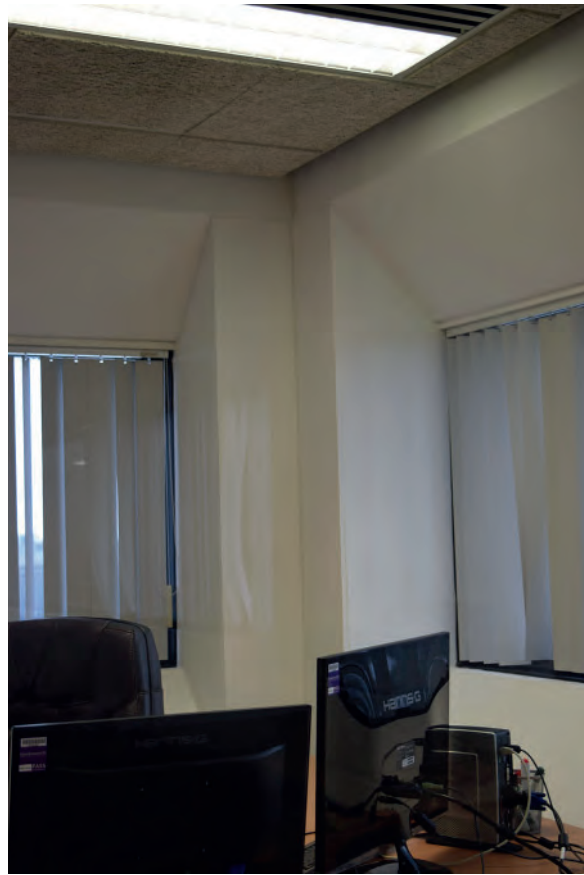


Plate 452: West wing of Building 6000, south office space, looking south- west.



Plate 453: West wing of Building 6000, south office space, looking south.

**East Staircase Tower**

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Plate 454: Construction of stairs, ceiling view.



Plate 455: Construction of stairs, landing.



Plate 456: Construction of stairs.



Plate 457: Construction of stairs, looking north.



Plate 458: Ground Floor, emergency door, looking north- west.





Plate 459: Construction of stairs, looking east.



Plate 460: Technical room under ground floor.



Plate 461: Base of staircase, looking south.



Plate 462: Ground Floor, hydrant, looking north.

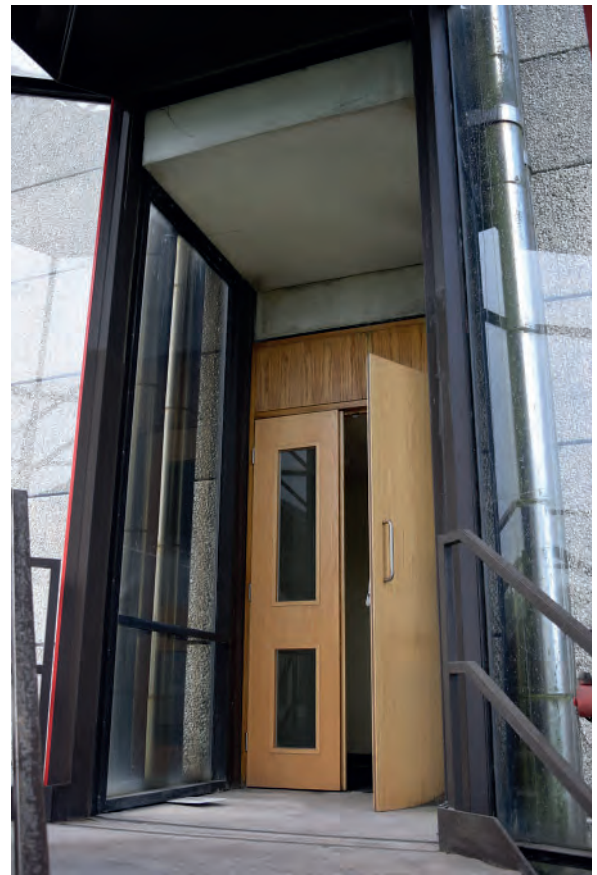


Plate 463: First Floor, emergency door, looking south- west.



Plate 464: First Floor, hydrant, looking west.



Plate 465: First Floor, hydrant, looking north.



Plate 466 :First Floor, construction of stairs, looking east.

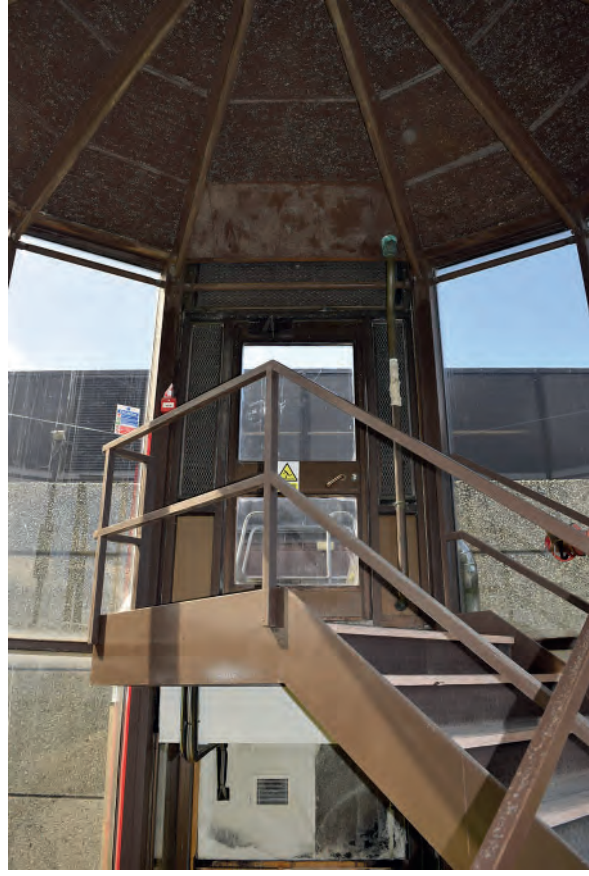


Plate 467: Roof door, looking west.



Plate 468: Roof, looking west.



Plate 469: Construction of stairs, ground floor view.



Plate 470: Construction of stairs, ground floor view.



Plate 471: Roof level, looking north.



Plate 472: Roof level, looking east.



Plate 473: Roof level, looking south.



Plate 474: Ceiling detail.



Plate 475: Construction of staircase ceiling.

# West Staircase Tower

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Plate 476: Ground Floor, emergency door, looking east.



Plate 477: Ground Floor, hydrant, looking north.



Plate 478 :Ground Floor.





Plate 479: Construction of stairs, landing.



Plate 480: Construction of stairs, looking west.

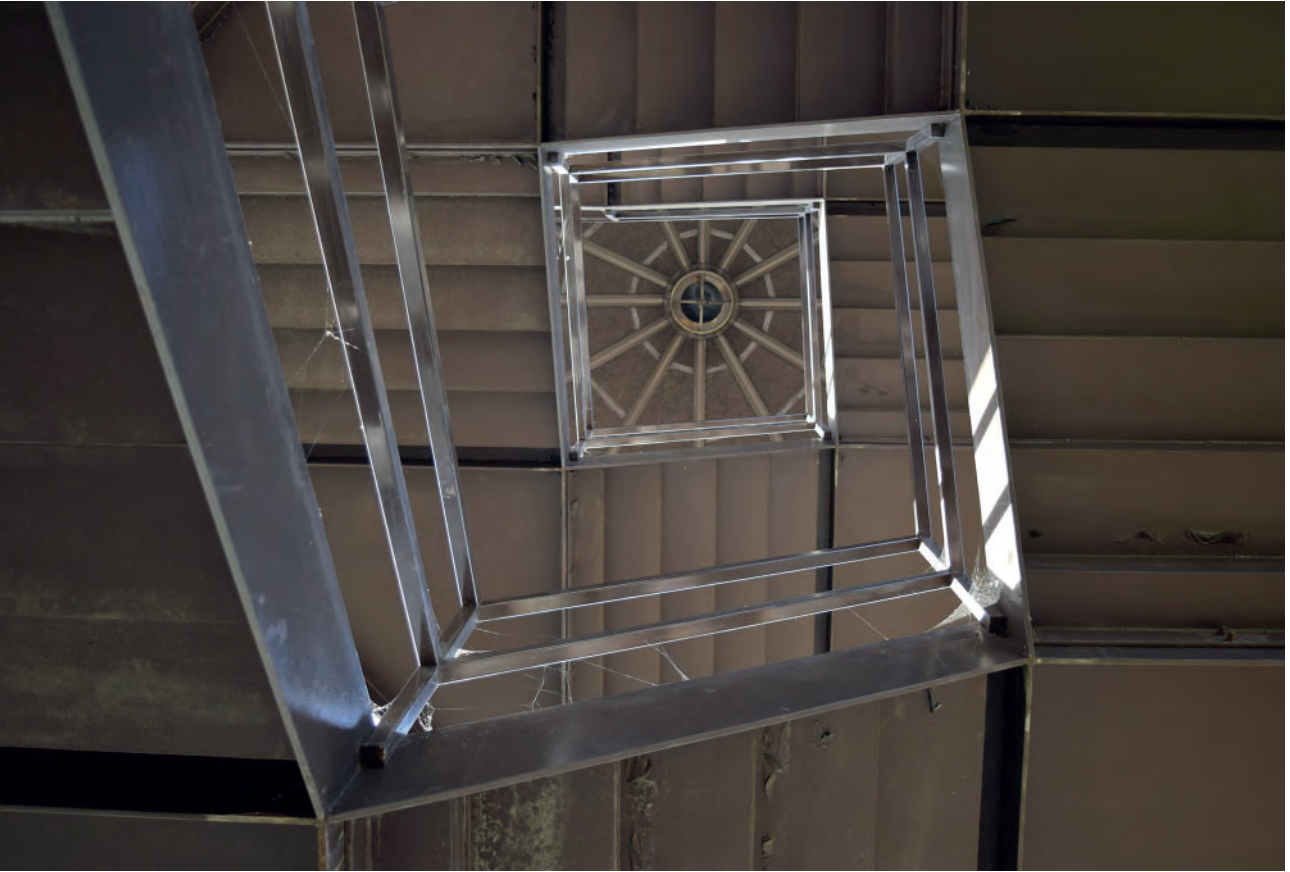


Plate 481: Construction of stairs, ceiling view.



Plate 482: First Floor, emergency door, looking east.



Plate 483: First Floor, hydrant, looking north.



Plate 484: Second Floor, looking north.



Plate 485: Roof door, looking east.



Plate 486: Roof, crane arms, looking north- east.



Plate 487: Roof, crane arms, looking south- east.



Plate 488: Roof level, hydrant, looking east.



Plate 489: Roof, looking east.



Plate 490: Ceiling detail.



Plate 491: Roof level, looking south.



Plate 492: Roof level, looking south- west.



Plate 493: Roof level, looking north.

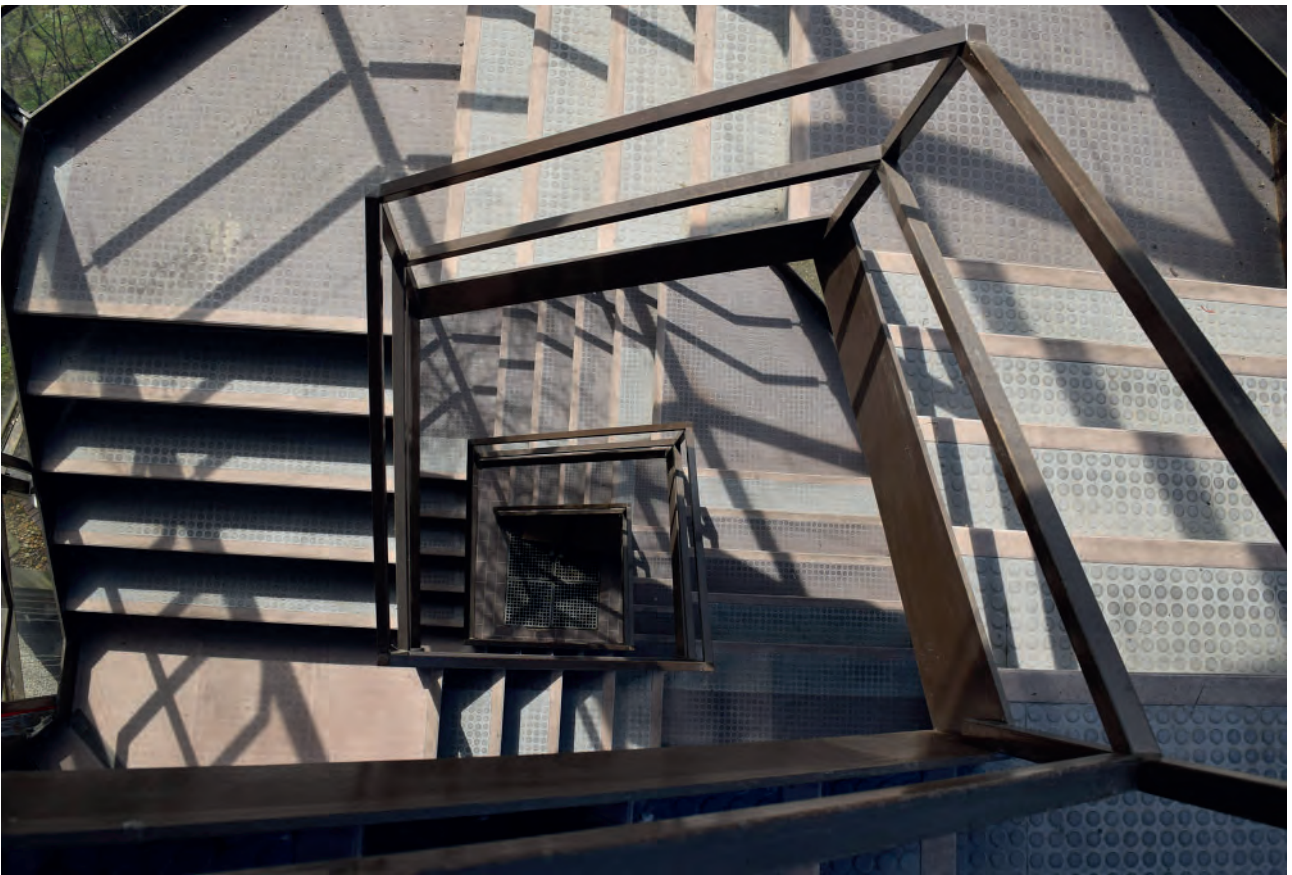


Plate 494: Construction of stairs, ground floor view.

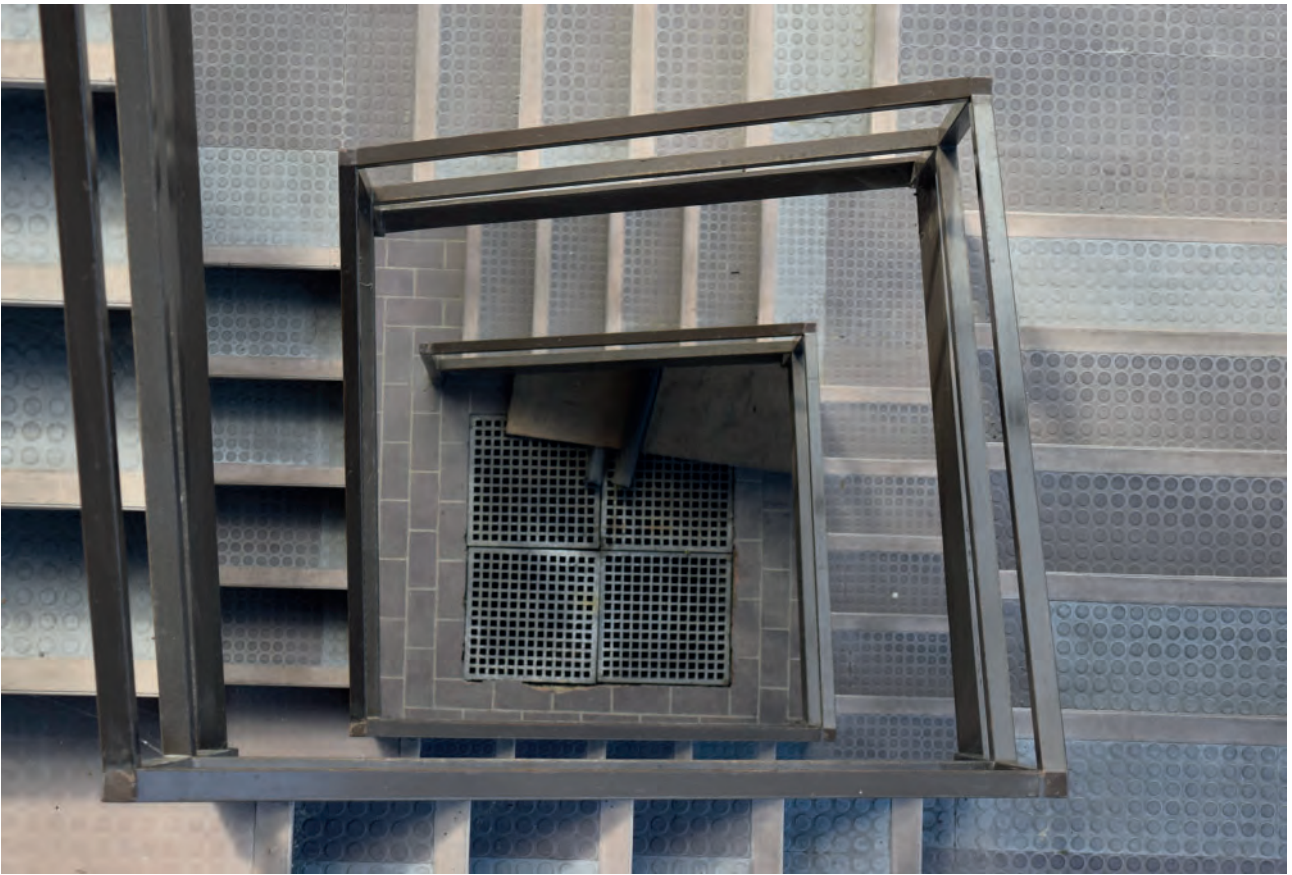


Plate 495: Construction of stairs, ground floor view.



Plate 496: Construction of staircase ceiling.







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