

Apollo Fire Detectors Ltd

2029 – 10 - Design and Access Statement

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PROJECT NUMBER	2029
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Prepared for
APOLLO FIRE DETECTORS LTD

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Introduction

The Design and Access Statement has been prepared on behalf of my client as part of the planning application for a new critical staging area, which will create a rain cover to provide shelter for goods in and goods out for Apollo Fire Detectors as well as the installation of a new flue to discharge clean air from internal ovens.

Apollo Fire Detectors Ltd, located in Havant, is a global leader in the design and manufacture of fire detection solutions, with its products trusted worldwide for their reliability and innovation.

The format of the statement is derived from guidance issued by the Government as Department of Communities and Local Government, and by the Commission for Architecture and the Built Environment.

Planning Proposal

Under this planning application, we are looking to extend to the front with an approx. 7100mm x 32000mm single-storey extension that is 5000mm high to better suit the needs of the client's for a critical staging area to create a goods in and out of the factory.

This critical staging area will provide a permanent covered storage area to provide shelter from the elements largely for rain cover to allow a temporary holding area for the goods in and goods out which is a large daily operation.

Apollo Fire Detectors have also expanded into an additional building unit within the industrial estate and will create their new distribution centre. This distribution centre will form a new goods out area as part of their expansion of the business. The critical staging area will provide a fundamental staging area that will see shuttle runs on a daily basis of finished goods to the distribution centre ready for posting to the customers.

The design of this covered area takes reference from High Tech Architecture and allows an opportunity to create a statement entrance to improve the exterior of the building. The design utilises existing colours and textures found on the existing building in a reimagined way.

In addition to an enclosed area of the building we require three extract grilles to discharge clean warm air to atmosphere. This will see the installation of three 250mm utilising the existing building colour.

Conservation Area & Listed Building

The site is not within any conservation area and is not a listed building.

Background & Need

This design and access statement outlines the strategic development plans for the Havant factory, aimed at enhancing production capabilities and maintaining the company's reputation for excellence.

Guided by Cliff Marshall, a detailed programme, "Ground Floor Version 2.0," has been developed, featuring high-level phasing drawings and an overview, albeit without specific dates and timescales.

The central objective is to create a renewed facility whilst expanding the business operations, which will significantly benefit the production process and supply of finished goods to customers. Key opportunities include increasing the number of production lines to meet growing global demand and leveraging a newly acquired site with additional critical staging area to support logistics.

Although these elements fall outside the immediate scope of this document and the planning application. The project will maintain a high-quality working environment, by renewing its internal facilities ensuring that the enhancements align with Apollo's commitment to providing an optimal workspace for its employees.

This statement underscores the strategic importance and benefits of the proposed enhancements to Apollo Fire Detectors Ltd's operations.

Location

The site is Apollo Fire Detectors Ltd is located at 36 Brookside Rd, Havant PO9 1JR, within the Langstone Industrial Estate.

The site is a detached property with on-site parking, conveniently situated just a 15-minute walk from Bedhampton Station and a 12-minute walk from Woodbury Avenue bus stops, ensuring easy accessibility for employees and visitors.

The site is home to Apollo Fire Detectors within a building that is split into office accommodation and a linked fabrication building.

The site is a working environment and during the course of the project the day to day operations of Apollo Fire Detectors Ltd must remain insitu.

The site consists of a large carpark with a singular point of access onto the public highway. The square plan building to the West is broken down into 4 quarters and referenced by Apollo Fire Detectors Ltd as Quadrant 1,2,3,4. The building to the East is the administration building.

The site address is:

Apollo Fire Detectors Ltd

36 Brookside Rd, Havant PO9 1JR



Apollo Fire Detectors Ltd's planning layout proposal.

Existing Photographs



View of principle façade. Note existing colours and textures of the building.



View of principle façade. Note existing colours and textures of the building. Existing temporary covered areas will be replaced with the permanent critical staaina area.



View of principle façade. Note existing colours and textures of the building. Existing temporary covered areas will be replaced with the permanent critical staaina area.



View of principle façade. Note existing colours and textures of the building. Existing temporary covered areas will be replaced with the permanent critical staaina area.



Existing temporary covered areas that provide no business benefits will be replaced with the permanent critical staging area.



Principle elevation. The three extract grilles will be installed within the space between the brick building and the metal clad building. This is a low key area. Please see next photograph.



Principle elevation. Three grilles will be installed within the space between the brick building and the metal clad building. This is a low key area. As seen in this photograph the proposed area is within a very sheltered position and has the lowest visible impact for extract grilles. Proposed flue position shown in green.

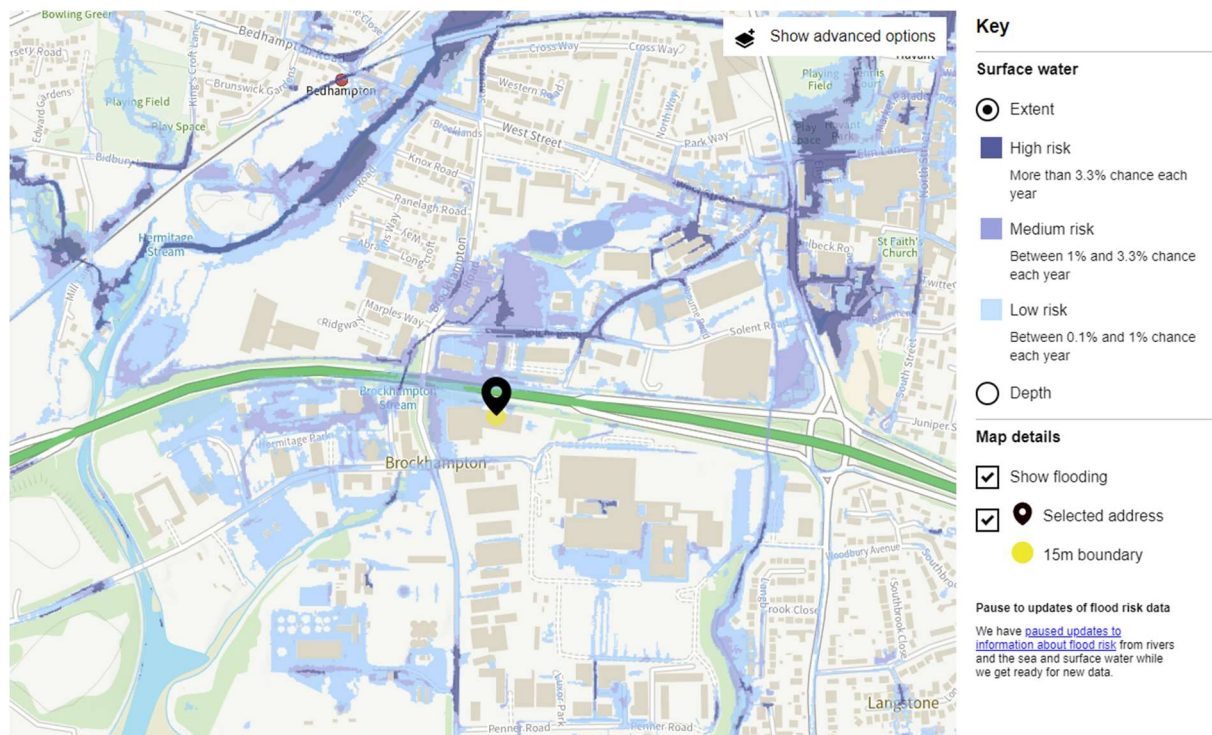
Principle elevation. Shown in context as seen from the public realm.



Flood Risk Assessment

The area around Apollo Fire Detectors Ltd, 36, Brookside Road, Havant, PO9 1JR has a, very low risk of surface water flooding and a very low risk of flooding from rivers and the sea. This information is not specific to a property.

Please note that the proposal is for a critical staging area which is a light weight structure to provide a covered area. This provides a canopy over an existing hard standing and the proposal as a flat roof does not increase the surface water discharge and will not have any detrimental effect compared to the existing site conditions.



Flood Risk Map survey from the environmental agency.

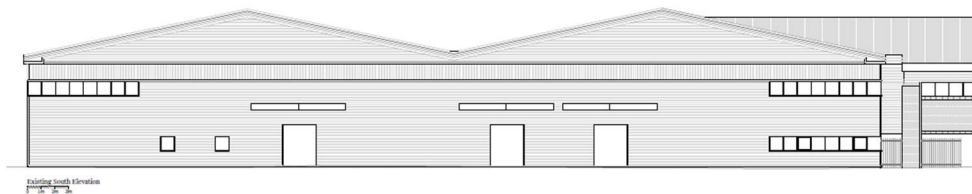
Scale, Massing and Materials.

Scale & Massing

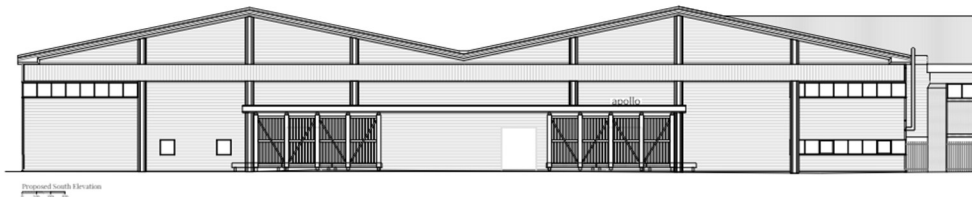
Apollo Fire Detectors Ltd's new development project involves the construction of a new manufacturing plant on the ground floor to replace the current goods-out area. This will necessitate the relocation of supporting functions, including IP laboratories, locker rooms, and maintenance workshops. Additionally, the project includes a new external flue and a covered goods-in and goods-out storage area. The scale and massing of these new structures are designed to comply with all Building Regulations, Planning Authority requirements, and relevant British, European, and International Standards. The new constructions will align with the existing building's form and function, ensuring a seamless integration into the current site layout while enhancing operational efficiency.

The scale of the structure is by virtue of the need for Apollo as part of their business needs. The height and dimensions have been determined to allow deliveries from Luton vans and general logistic vehicles to collect and drop of goods.

The architectural massing and solution follows on from the business need and follows the existing rhythm of the architectural detailing found on the exterior of the existing building. On the existing building we can see there are both vertical and horizontal elements which has influenced on the exterior. These cladding rhythms are proposed on a smaller scale.



Existing elevation elevation

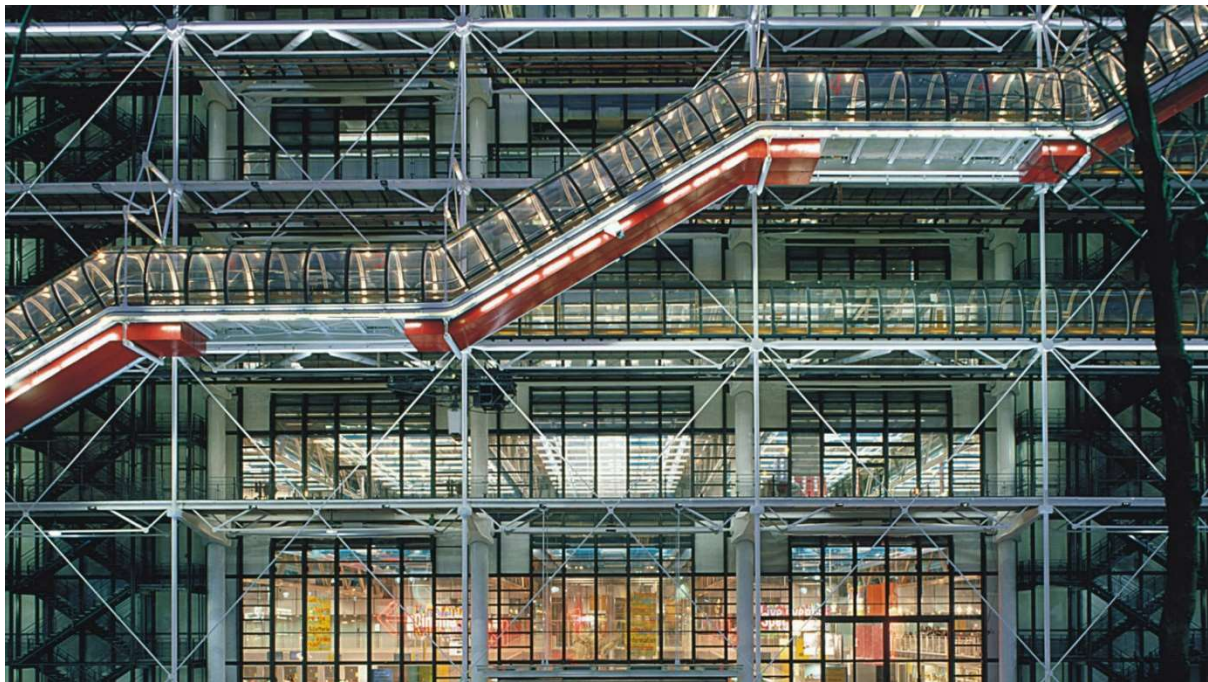


Proposed elevation

The vertical elements of the cladding allow for a structure and rhythm that has provided aligned points on the exterior.

As the critical staging area requires only a light weight structure to protect goods from the weather and elements, and opportunity to take reference from High Tech Architecture to create an exposed exo-skeleton. This will create an interesting structure, without un-necessarily increasing costs for the client, a point of interest and a renewal of the principle elevation.

High Tech Architecture – Pompidou Center Paris France. Envisioned by its two architects, Renzo Piano and Richard Rogers.



High Tech Architecture – Sainsbury Center Norwich United Kingdom. Envisioned by Norman Foster.





High Tech Architecture – Lloyd's Building London United Kingdom. Envisioned by Richard Rogers and Partners.



High Tech Architecture – HSBC Main Building Hong Kong. Envisioned by Norman Foster and Partners.

Materials

The structure in essence will utilise a light weight steel frame and cladding with an ETFE roof. The colours of the structure will take reference and influence from the existing colours and textures seen on the existing building.

Trapezoidal cladding matching the main cladding colour, with the exposed skeleton utilising the dark greys from the engineering bricks will see this structure reimagining the materials and colours found on the existing building in a renewed way.

Key materials include:

- **Steel Frame:** Designed as a lightweight structure with epoxy coatings suitable for a marine environment, ensuring a minimum warranty of five years. Galvanised Armco barriers will protect the steel frame from damage.
- **Wall Cladding:** Galvanised steel frame purlins will support trapezoidal cladding sheets, matching the existing building in size, texture, and colour. The design will conceal purlins from exterior view to maintain architectural integrity.
- **External Flue:** The new grilles will be connected to a multi-stage filtration system/. This multi-stage filtration goes through a series of metal filtration finishing in a HEPA filter creating clean filtered air and discharging 300-degree heat through the wall. The system will be designed for easy and safe maintenance access. The grille colour will match the existing buildings cladding colour.

Conclusion

The proposal will create a state-of-the-art manufacturing plant for Apollo Fire Detectors Ltd, significantly enhancing their production capabilities and ensuring the company remains at the forefront of fire detection technology. By increasing the number of production lines, Apollo will be able to meet the growing global demand for its high-quality products. The new site and additional temporary tented storage areas will further support the project's logistics.

The development will also maintain a high-quality working environment, aligning with Apollo's commitment to providing an optimal workspace for its employees. Overall, the proposed enhancements will not only improve production efficiency but also support Apollo Fire Detectors Ltd's long-term strategic goals, reinforcing its position as a global leader in fire detection solutions.

We hope the Council see the merits of the scheme and approve with earnest.

