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Design & Access Statement for **Replacement Fenestration** at **Havant Academy**

Wakefords Way, Havant PO9 5JD



13th April 2022

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1. Application Summary:

Site Address: Havant Academy, Wakefords Way, Havant, PO9 5JD

Application Type: Full Planning Permission

Name of Applicant: The Kemnal Academies Trust (TKAT)

Name of Agent: Carré Consultancy Ltd.

Date: 13.04.2022

2. Introduction:

This Design & Access Statement is written in support of the application for the proposed replacement aluminium double glazing to the Communities block at Havant Academy mixed secondary school in Havant, Hampshire.

The proposed alterations will provide the building occupants with a number of benefits including improved thermal comfort and reduced solar glare, which will improve the learning experience and pupil engagement. Replacing the glazing also addresses the more prominent issue of rainwater ingress through the east elevation given that the fenestration to this face is defective and leaks during heavy rain.



Figure 1 - Birds Eye View © Google, 2022

Havant Background Information

Set in southern England, Havant is on the rural coast between the cities of Chichester and Portsmouth. Havant is a thriving market town, characterised by its fine Georgian buildings and narrow weaving footpaths called 'Twittens'. Most of the town centre is a conservation area, which developed from a junction of ancient thoroughfares dating from Roman times.

Havant, a suburb of Portsmouth, is the town and district within Hampshire in the southeastern part of the county. Home to over 45,000, the borough's population is over 117,000 and includes Waterlooville, called after the troops returning from the Battle of Waterloo in 1815. The town, severely depleted in 1760 by a fire, (only a pair of 16th and 17th century cottages forming the Old House at Home pub and parts of St Faith's church dating back to the 13th century remain), is modern in architecture and accommodates the overspill of homes and factories of light engineering from nearby Portsmouth. Formerly Havant was famous for its parchment making due to its natural springs. Havant College attracts students from all over the area due to a good transport system, The A27 and the A 3 (M) adjacent, the railway station having links to London, Portsmouth and Brighton. For the sports-minded, non-league Havant-Waterlooville Football Club, Havant Rugby Club and Havant Hockey Club, National Hockey League winners, are some choices. Nearby, visit the 1,000 acre Staunton Country Park with its ornamental farm, animals, follies, walled garden and glasshouses.

Site & Existing Use

Havant Academy is located approximately 2.5 miles to the North of Havant town centre and is considered to be on the outer peripheries of the highly populated, developed area. To the North and east of Havant Academy are large green areas, and the school site is in close proximity to (although outside of) the St George Staunton Conservation Area, covering Staunton Country Park (See Figure 2). The school is a mixed secondary school with a population of circa 600 pupils aged 11 to 16.

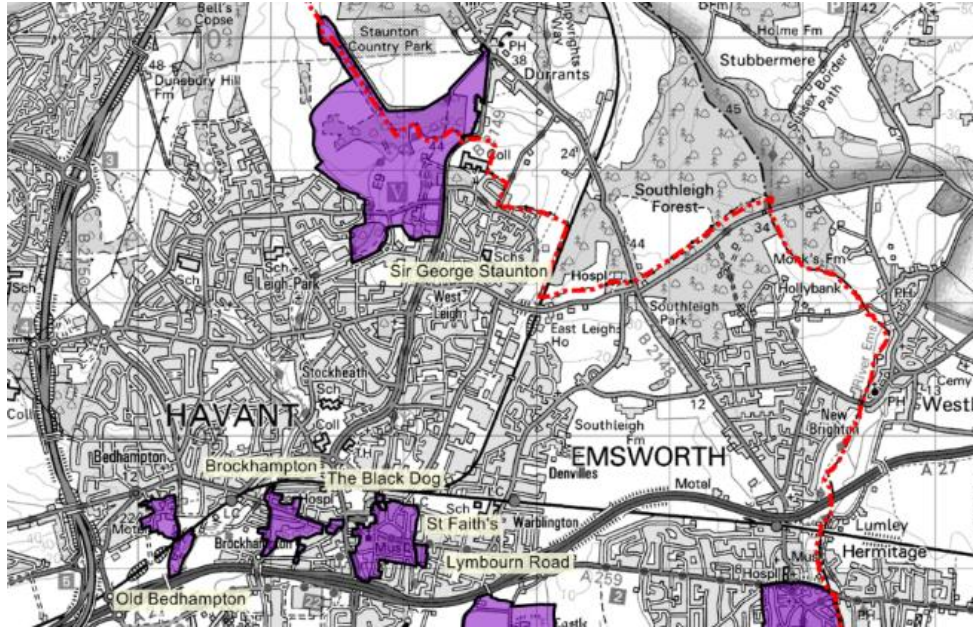


Figure 2 – Havant Conservation Areas

3. Site Background:

As is shown within Figure 3, the building form and construction type across the site is consistent, generally with flat roofs, brick walls with (originally) single glazed, Crittal style windows.



Figure 3 – Site overview, with subject block (Block C) highlighted.

The Communities block (Block C) to which the replacement glazing is proposed, is outlined within Figure 3.



Figure 4 – Close up - subject block (Block C)

The Communities block, being located to the far North Eastern corner of the school buildings, is completely visually sheltered from all possible public areas. Figures 5, 6 and 7 show the views visible from all Public areas in the direction of the school site and more specifically Block C. As highlighted, Block C is not visible in any location, and in most locations the school as a whole is completely obscured from view by the heavily planted borders.



Figure 5 – View from Durrants Rd to the West, in direction of block C on school site. No Part of school visible.



Figure 6 – View from Prospect Lane to the East, in direction of block C on school site. No Part of School visible.



Figure 7 – View from Stansted Crescent to the South East, in direction of Block C on school site. Part of School visible, however not Block C

4. Planning Designations:

Having reviewed the available literature and plans, it is our understanding that Havant Academy:

- Is located within Havant, a town in the South East corner of Hampshire
- Is not located within any of the Conservation Areas
- Is not a Listed Building
- Is not within a flood risk area
- Is not within an area of historic Land contamination or suspected contamination other than being within an area listed as Nitrate Vulnerable
- Is not located within a designated site

5. Design Proposals:



Figure 8 – East Elevation view, Block C



Figure 9 – West Elevation view, Block C

Figures 8 and 9 show samples of the existing glazing and curtain walling arrangements. The single glazed Crittal style windows are outdated, thermally inefficient and have poor protection against solar glare. The poor thermal performance of the windows means heat loss during winter months is significant, and also that during summer months the building is extremely hot.

This lack of thermal comfort combined with a number of classrooms having excessive solar glare means that the end users currently have a sub-par learning experience.

The proposal is for new double glazed aluminium framed fenestration to all 4 elevations. Replacement white and purple spandrel panels of the same RAL colour will be incorporated within the curtain walling, to match the existing appearance of both the subject building, and also other school building around the site.

A number of other school buildings on the site have upgraded PVCu and aluminium windows and doors so the move away from Crittal is not considered to be out of keeping.

The specified system is Technal's Dualframe 75 Si Casement Window, to match the existing top hung casement arrangements.

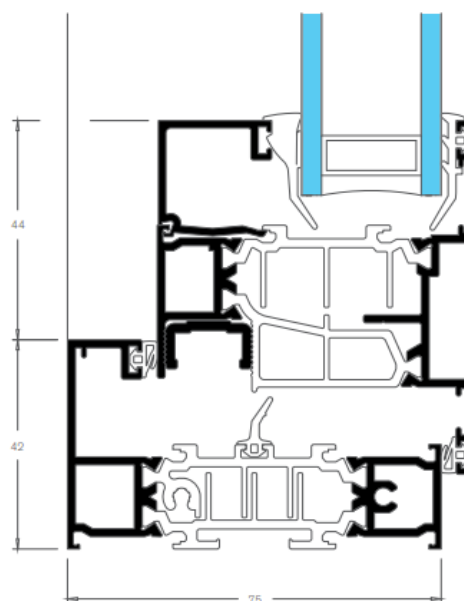
DUALFRAME SI / CASEMENT

TOP HUNG

- Vent Size Max. 1720mm [H] x 1720mm [W]
- Vent Size Min. 424mm [W] x 249mm [H]
- Side Hung
- Vent Size Max. 884mm [W] x 1829mm [H]
- Vent Size Min. 250mm [W] x 424mm [H]

FIXED LIGHTS 5M2

- Glazing Thickness from 24mm to 47mm
- Vent weight to 100kg
- PAS024 and Secured by Design compliant
- A+ Rated WER
- U Value of 1.3 W/m²K with standard DGU*



	AIR PERMEABILITY	WATER TIGHTNESS	WIND RESISTANCE
OPENING LIGHTS	Class 4 600 Pa	Class 9a 600 Pa	Class A5 2000 Pa
FIXED LIGHTS	Class 4 600 Pa	Class 9a 600 Pa	Class A5 2000 Pa

Figure 10 – Extract from manufacturer brochure of specified system. See appended documents.

6. Conclusion:

Use

The use of the school will not change. Provision of new modern fenestration will improve end use quality and security (Secured by Design compliant as shown above)

Appearance

The new fenestration will closely match the existing, with a match window style (top hung casement) and matching Spandrel Panels of the same RAL colours.

Impacts:

The planned alterations are fully reversible and impact upon previously completed alterations to the building structure rather than upon its historic fabric; material selections are being made to match the existing adjacent finishes and where not possible, with alternatives that are compassionate to the setting and building in its use.

There is no alterations to the surrounding views from Public areas. As discussed the subject building is obscured completely.

Given the above we do not believe there will be any negative impact on the buildings significance through completion of the works and request that listed building consent is approved.