

8.10 Visualisations

Concept Visual



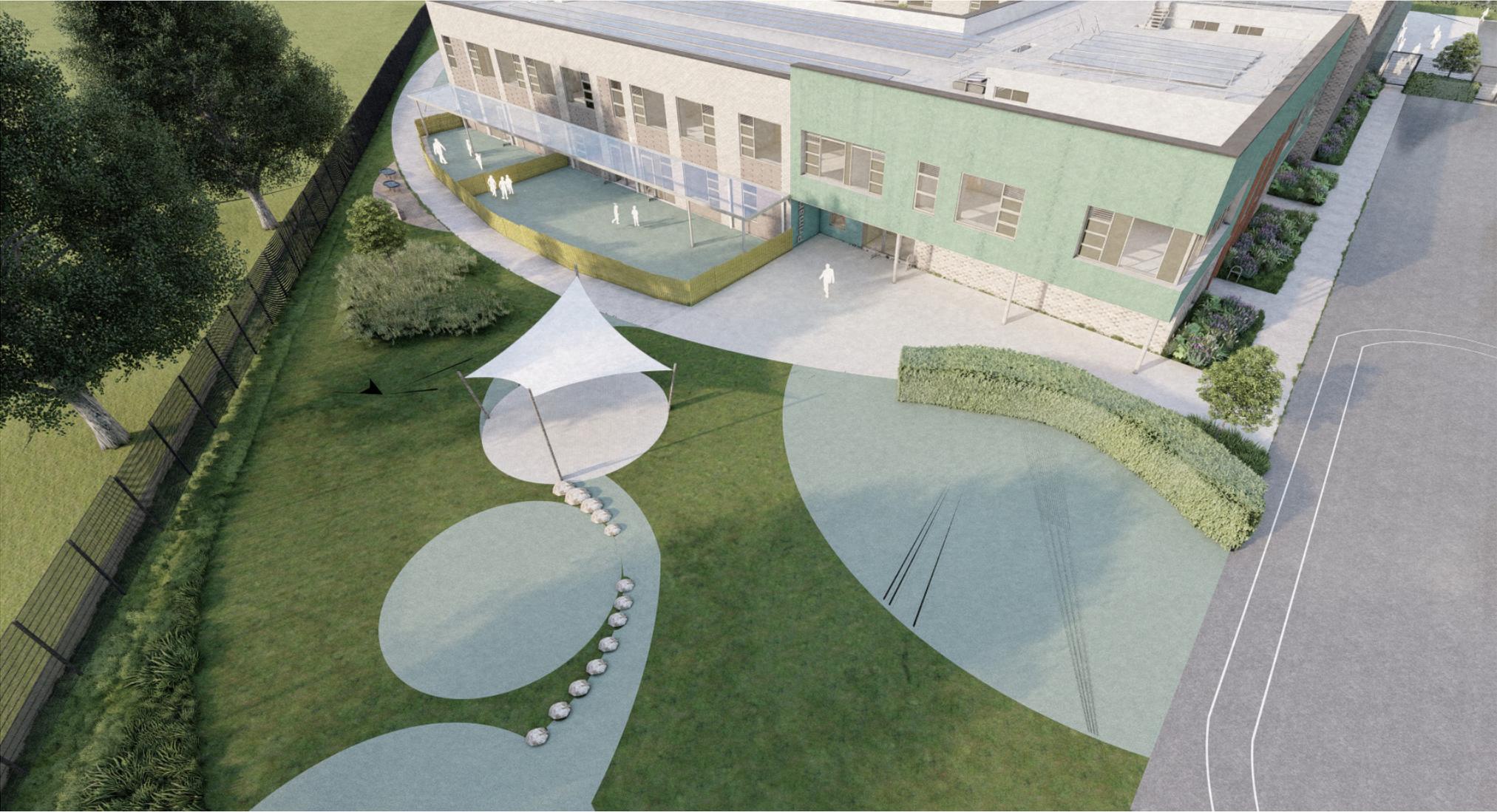
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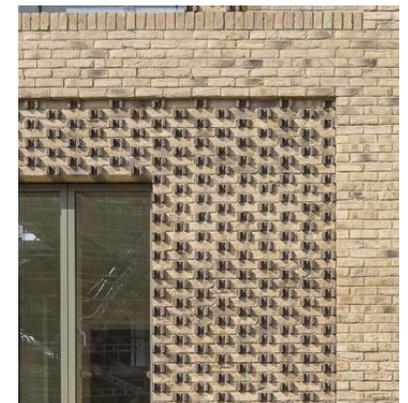
9 Appearance.

9.1 Proposed Appearance - Design Development

Initial Massing Studies



Precedent Images



9.1 Proposed Appearance - Design Development

Initial Massing Studies



GREY BRICK 1 – MIXED COLOUR CLADDING & BRICK



BUFF BRICK 1 – MIXED COLOUR BRICK



GREY BRICK 2 – OCHRE FEATURE COLOUR



BUFF BRICK 2 – OCHRE FEATURE COLOUR



GREY BRICK 3 – GREEN FEATURE COLOUR

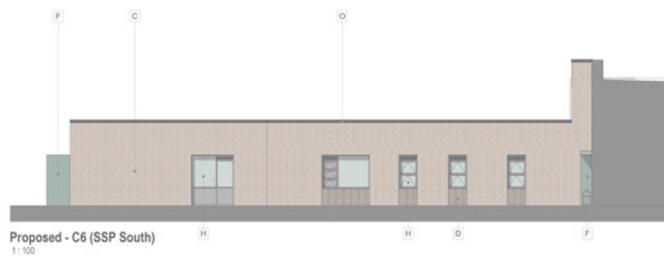
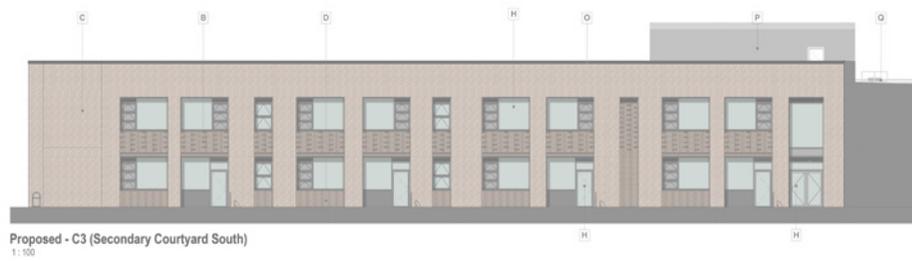
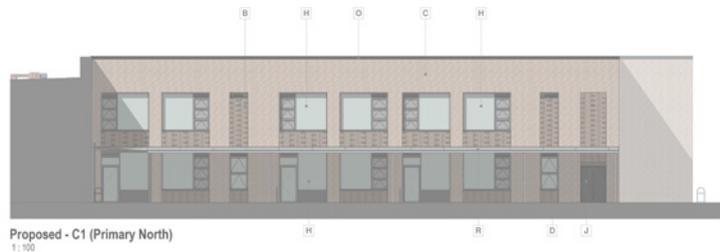


Colour reference of using grey is considering the local vernacular - Denbigh Castle

9.2 Elevations

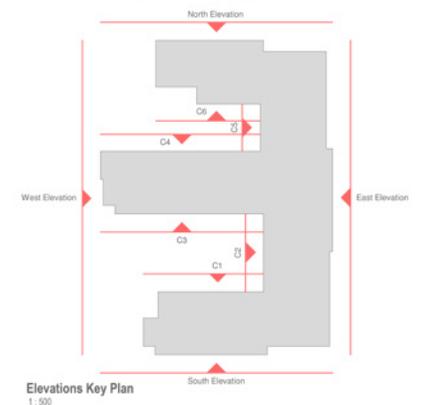
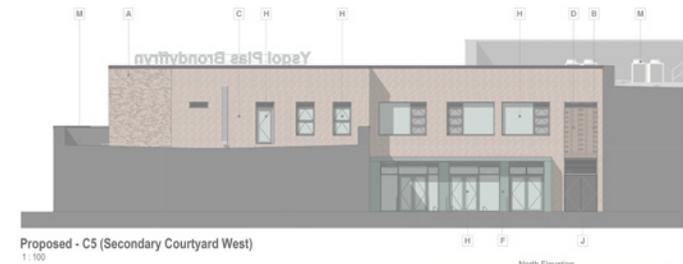


9.2 Elevations



Material Key

- | | | | |
|---|--|---|--|
| A | Facing brick type 1 - light / dark dappled effect (specification TBC) | L | Roof - Hot-melt (colour - grey) |
| B | Protruding feature brick detail | M | Roof mounted plant - (subject to M&E equipment height, may require louvred screening, colour TBC, refer to Roof Plan GA for zones) |
| C | Facing brick type 2 - light (specification TBC) | N | Roof mounted guardrail - (colour TBC) |
| D | Facing brick type 3 - dark (specification TBC) | O | PPC Aluminium parapet capping - (colour TBC) |
| E | Standing seam metal wall cladding - (colour TBC) | P | Roof access/lightbox enclosure of composite cladding material on walls and roof - (colour TBC) |
| F | Fibre cement rainscreen wall cladding to entrance features and entrance soffits (colour TBC) | Q | PPC metal roof lights - refer to GA Roof Plan (colour TBC) |
| G | Soffit liner: Fibre cement cladding to match item F above - (colour TBC) | R | Canopy - Steel frame / polycarbonate roof |
| H | PPC Aluminium windows and curtain walling elements (colours TBC; incorporating mixture of clear glazing, glispol glazing and PPC metal louvers; incorporating mixture of fixed elements, opening elements and door elements, some apertures to receive feature coloured reveals & soffits, colour TBC) | S | External columns - (decorative cladding material, or paint; colour TBC) |
| J | PPC Metal solid doors - (colour TBC) | T | Indicative signage zone (zones indicated in dashed red below) |
| K | PPC Metal louvred doors - (colour TBC) | | |
- Refer to M&E designer drawings for locations, specification & set-out of air-bricks (PPC metal, or similar colour to brick specification)



9.2 3d Visualisation

Concept Visual



9.2 3d Visualisation

Concept Visual



9.3 Proposed Materials.



Denbigh Castle and Clwydian Hills Colour Inspiration

A number of elevational studies were carried out to explore potential materiality, aperture rhythm / pattern, materiality pattern / rhythm.

The proposed material palette was selected to be robust and low maintenance, appropriate for a school typology; buff/grey brick to match the local vernacular, offering a simple colour palette with strong proportions of contrasting natural green colour to the entrance to aid way-finding.

The areas of green cladding act as a ying/ yang balancing act on both corners of the front elevation. The higher corner cladding emphasises the primary wing and addresses the public right of way, (an important elevation to the school) and the opposite lower corner cladding emphasises the community cafe to aid wayfinding. Additionally, this cladding element on the southern primary wing references the profiled metal agricultural farm buildings located on this semi-rural side of the site. The green colour has also been selected to better blend into the natural landscape.

The rear elevations to the wings and courtyard play spaces are created using 2 brick tones. This helps to break down the mass of brick and gives a greater vertical emphasis mimicking the front elevation vertical glazing banding.

There are flat roofs over the full building to support the amount of photovoltaic panels (PV's) being installed, although these are mainly concealed behind the full masonry parapet walls being provided to all elevations



9.4 Proposed Appearance, Front Entrance and Corner Community Cafe.

Concept Visual



10 Access.

10.1 Vehicular & Transport Links.

A transport statement has been submitted separately with this planning application, please refer to this document.

There will be 118 space car parking area (including 14 electric charging bays), minibuss parking (4no.), cycle parking (60no.), designated drop off area, new vehicular access off Ystrad Road, community café, landscaping works and all other associated works.

10.2 Inclusive Access.

Inclusive access has been an integral part of the design, to ensure the building accessible to all.

Appropriately sized doors & circulation spaces are used throughout the proposal for ease of access. Circulation routes have also been optimized to reduce travel distances between lessons & activities, as well as offer simple and legible wayfinding. In addition to evenly distributed stair cores, there are 2 lift provided to enable access between floors for all building users.

WCs have been evenly distributed throughout the building, with ambulant WCs available on every floor.

The roof is accessible for ease of maintenance, and surrounded by a min. 1100mm parapet or guardrail for safety.

10.3 Inclusive Site Access.

Site levels have been considered to ensure DDA compliant routes throughout the site. There is level access into the building all around the perimeter.

Pupils will be dropped off and picked off at the designated drop off area.

Several disabled parking spaces have been provided and a dedicated staff car park with 118 spaces.

10.4 Policy Approach.

Building regulations approved document Part M (Access to and Use of Buildings) and BS 8300-2:2018 (Design of an accessible and inclusive built environment) have been used to define accessible solutions for the design, these have included:

- A clearly visible main visitors and pupil entrances with suitable means of access, a level approach, suitable car parking and routes around the building.
- Suitable corridor widths to allow the passing of wheelchairs.
- Suitable clearance between door swings in entrance lobbies
- Suitable door widths sizes and leading edges
- Suitable robust material specification both inside and out
- Access to an accessible WC from the main reception on the ground floor level, along with further accessible WC's on each floor of the building.
- Suitable access for emergency services has been accommodated
- A designated bin collection store has been provided and service vehicles can collect with ease.

11 Safety & Crime.

12.1 Community Safety & Crime Prevention.

Building security

The building and the site has been designed in accordance to recommendations set out by Secure by Design – Schools 2014. The school design has taken into consideration areas of natural surveillance where possible, staff spaces at the entrances and play grounds for example. The school site is secure and has a clear lockdown between public and private spaces. Please refer to the landscape security plan for gate and fencing detail and access controlled areas.

Windows & Doors

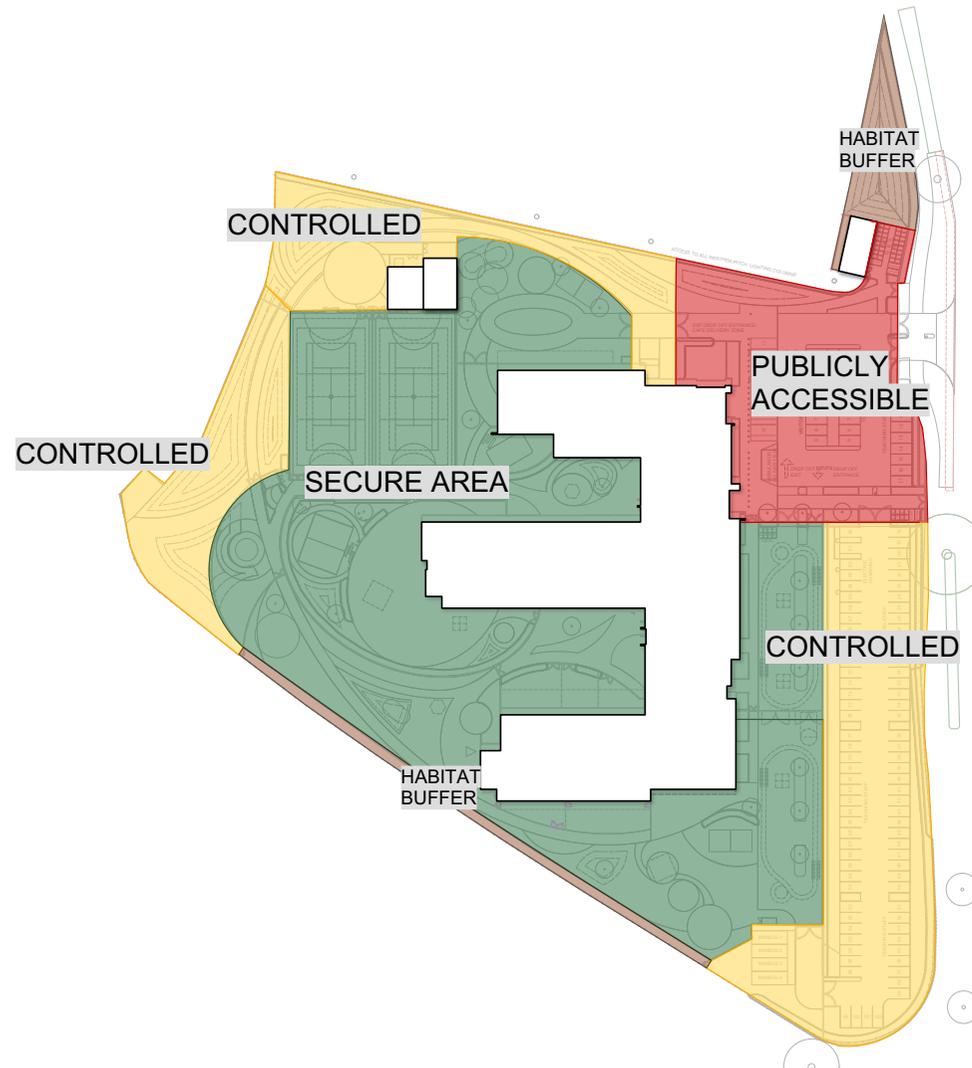
All specifications to be approved compliant with & certified to BS PAS 24 or BS 7950.

CCTV/ Alarms

CCTV system and an Alarm system will also be installed and managed by Ysgol Plas Brondyffryn.

Robust Materials

Brick has been proposed (particularly at ground floor level) for it's robust nature and paired with highly specified windows and doors.



12 Sustainability.

12.1 Sustainability Strategy.

A sustainability statement has been submitted separately with this planning application, please refer to this document.

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