

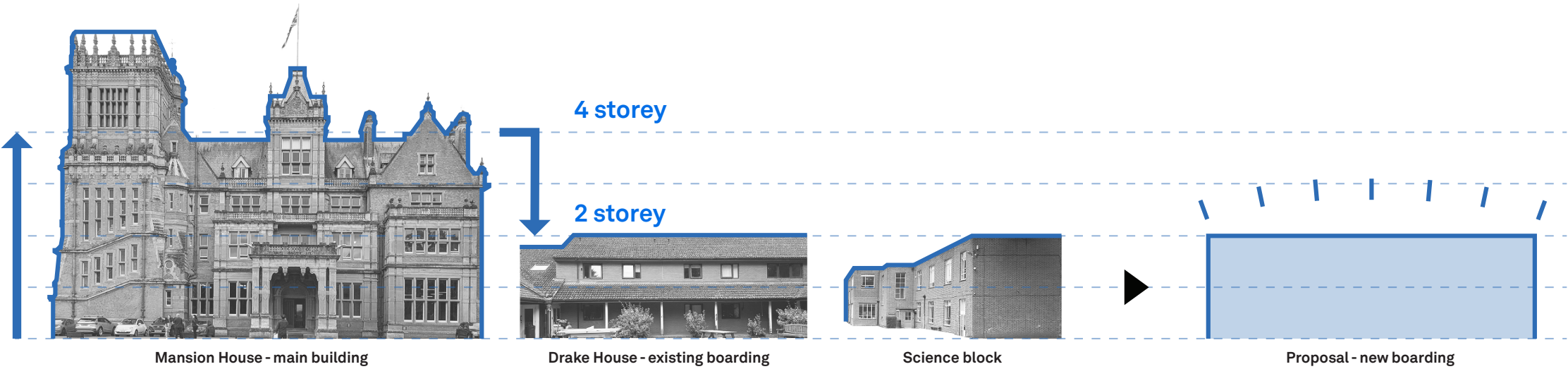
7 Exterior
7.1 Concept

The proposed new boarding house seeks to instill elements inherited from the existing Reddam House building to lift the overall quality and character of the buildings that comprise the campus, particularly on those that were added more recently.

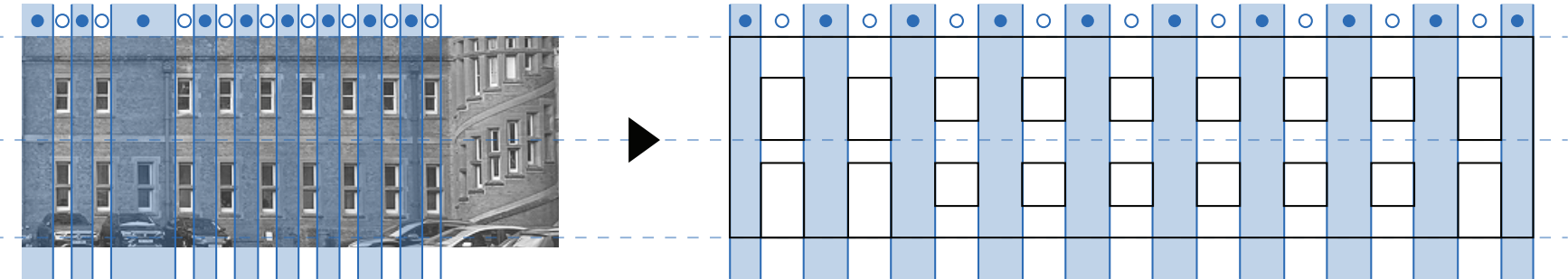
Perhaps the building with the most architectural merit on the site, Mansion House is the only building within the school grounds that extends to 4 storeys with the majority of the rest limited to 2 storeys. The new boarding house adopts 2 storeys to fit harmoniously with the surrounding buildings and to sit calmly within the backdrop of Mansion House.

Other physical aspects embodied into the proposed design is the rhythm of the fenestrations that appear on the main building - stacked windows with solid brick piers in between. Across the school, students and staff experience a series of expanding and contracting spaces, particularly as you pass through linking spaces and entrance portals - the new proposal will drop in scale to mark the main entrance and central circulation

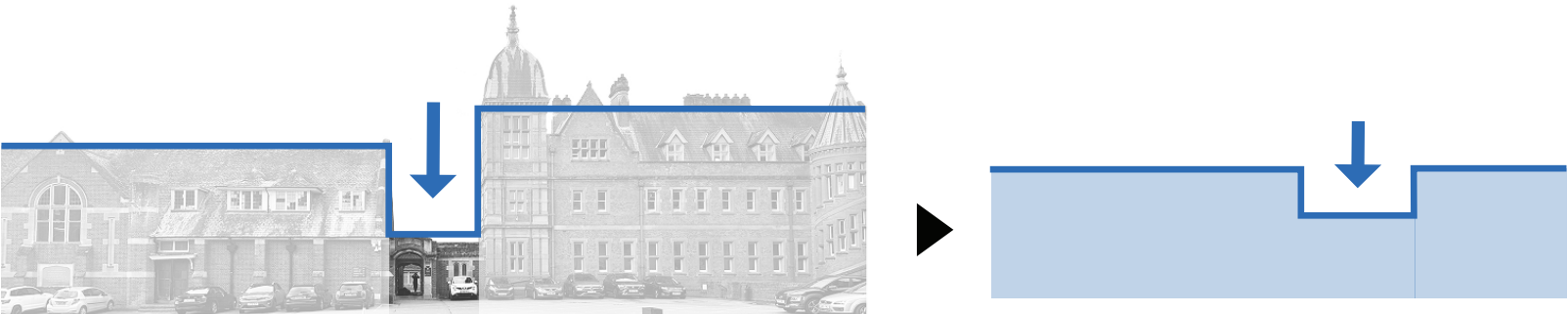
How can the design quality of the architecture, and the calmness of the surrounding nature become embodied in the proposed designs for the new boarding house?



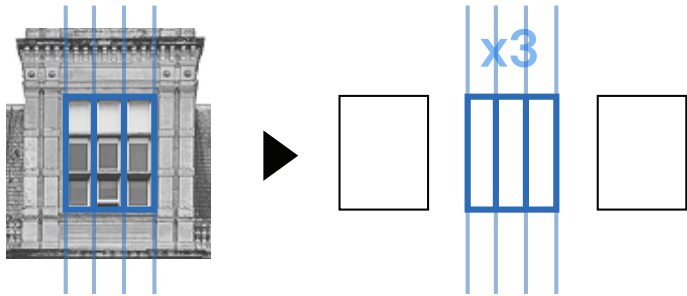
Approach to scale and building height



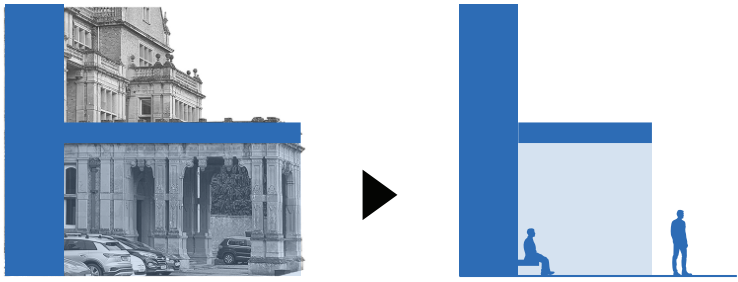
Facade rhythm - fenestrations



Facade break - drop in scale at main circulation



Facade modulation that fits in with the context



Canopy marking the main entrance

7 Exterior

7.2 Architectural Context

The existing Grade II* listed school house is rich with Jacobean styling. A distinct collection of patterns, materials, proportions and orders are adopted across its facades.

The proposal for the building will look to learn, respond, and sympathetically align to. Rather than creating a facsimile, a contemporary interpretation will ensure the new boarding house feels like an extension of the existing buildings.



7

7.2

Exterior
Architectural Context



7

7.2

Exterior
Architectural Context

Across the existing site a range of complimentary materials are used. With reddish brown masonry present throughout all buildings, stone is used in both detailing and focal points.

Timber and metal work appear around fenestration and roof structure. In particular Drake House expresses timber within the oversailing roof structure.

These materials will all stand as the reference point for the materials on the new boarding house.

Stone



Wood



Brick



Slate

7

7.3

Exterior
Principles & Themes

What qualities, principles and themes will inform the proposed architectural expression of the building?

Looking to the history, the wider context and landscape, the following themes will form the basis of the facade design.



7

7.4

Exterior

External Materials - Palette

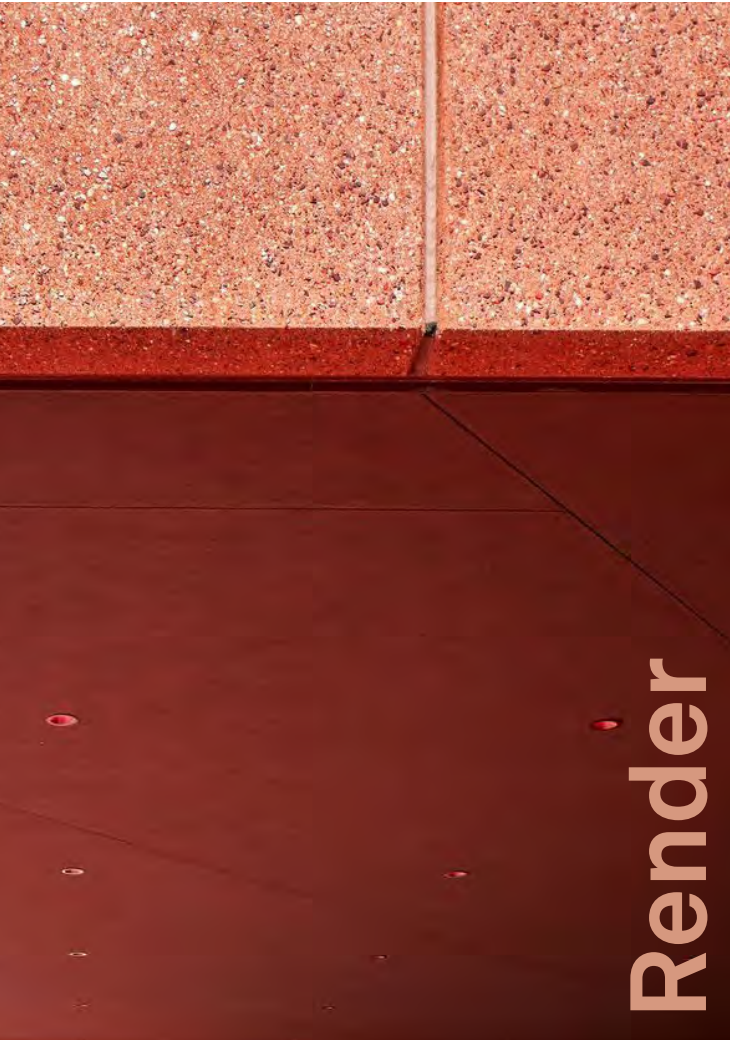
Referencing the existing materials present on the historical site, the proposed material palette looks to natural materials, ones with durability and timelessness at their core.

Stone, brick, metal and concrete will bring an architectural quality to match the boarding house’s surroundings. Each material importantly will work well with the surrounding landscape, and embed the building in the woodland behind.

Pre-cast



Brick



Metal

Render

7 Exterior

7.4 External Materials - Arrangement

The facade articulation is achieved with simple and elegant moves that relate to the traditional brick construction techniques. Set back courses and subtle material changes withing the masonry approach achieve a playful result.

1 Parapet Zone

- Red stackbond brickwork with corbelling
- 450mm minimum parapet upstand
- 100mm precast coping stone

2 First Floor

- Red brick piers with recessed brickwork below windows
- Pre-cast concrete window headers and sills
- Green aluminium composit windows with two openable panels

3 Picture Window

- Full height glazed opening
- Pre-cast concrete headers to coping

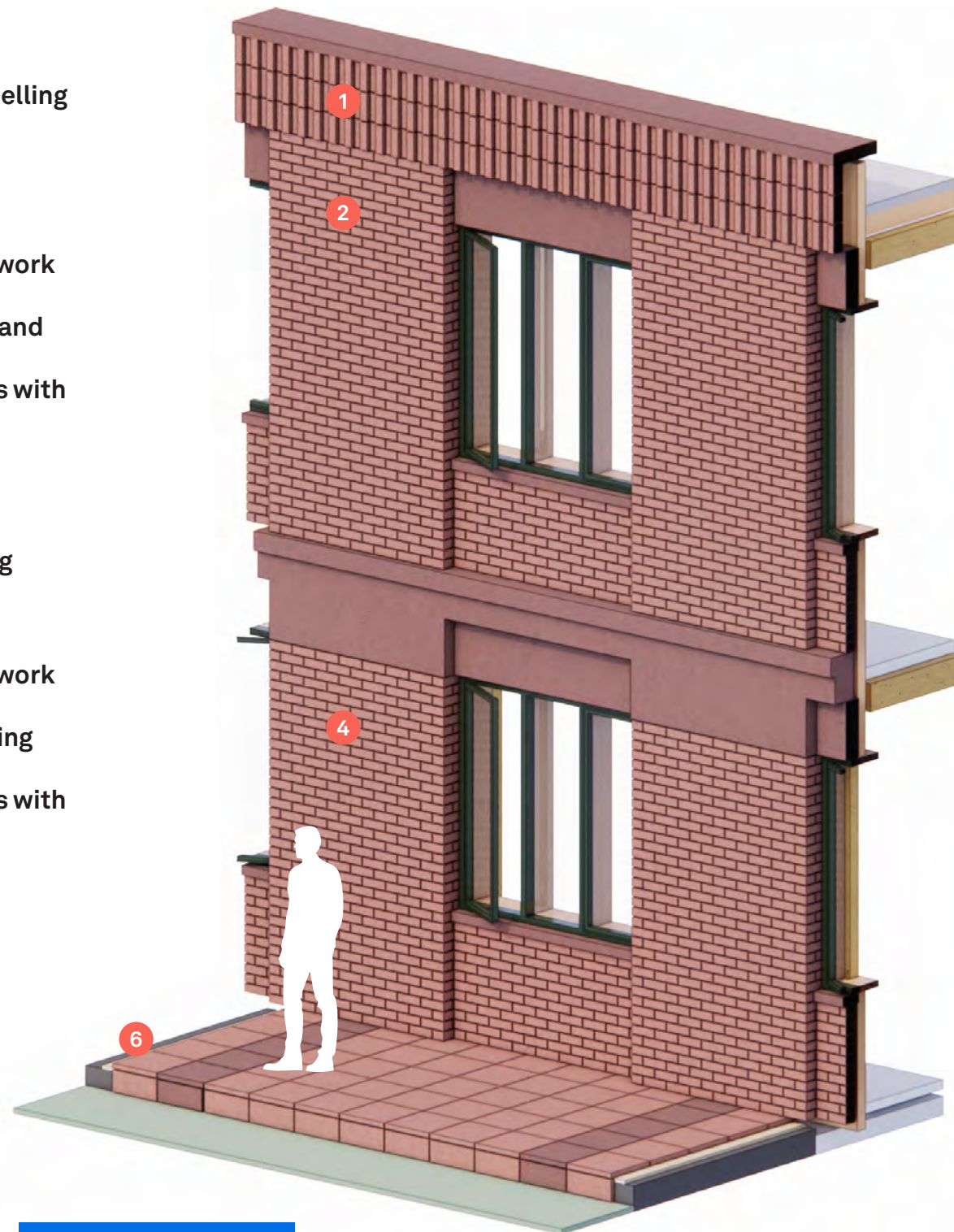
4 Ground Floor

- Red brick piers with recessed brickwork below windows
- Pre-cast stringer course and panelling above windows with pre-cast sills
- Green aluminium composit windows with two openable panels

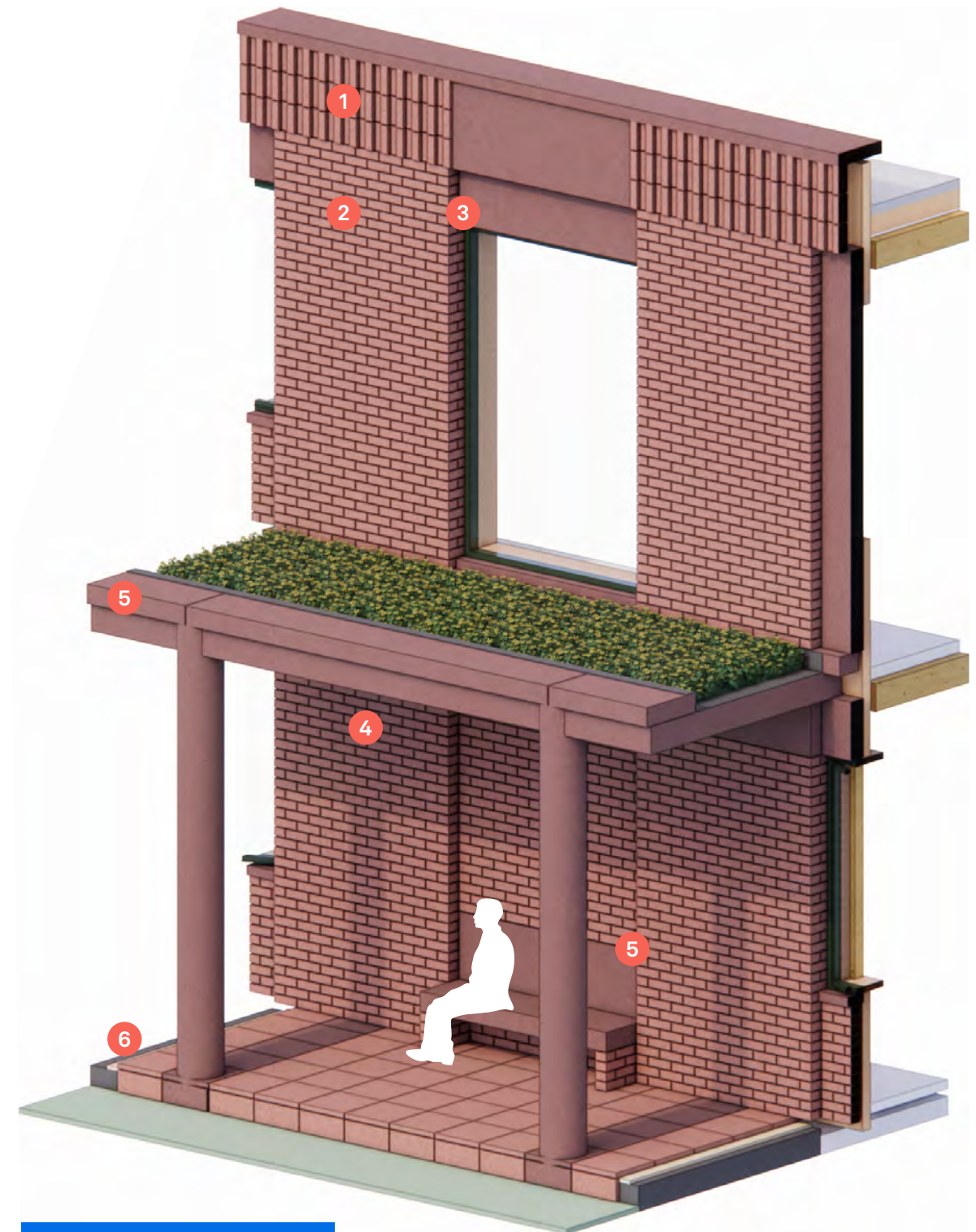
5 Canopy Zone

- Pre-cast concrete edge stones supported on circular columns of diameter 350mm
- Troughed section to allow for shallow deck sedum cover
- Rendered soffit to match appearance of pre-cast pigment
- Integrated bench seating

6 Paving



Typical bay between structural gridlines



Entrance canopy between structural gridlines

7

7.5

Exterior

Bay Studies - Typical

The typical bay forms the majority of the proposed elevation.

Horizontal bands of decorative brick and precast / render detailing complement the vertical repetition of the dormitory module.

- 1
- Precast coping stone, flush with brickwork banding below
- 2
- Push/pull vertical brick ribbon
- 3
- Precast recessed window headers
- 4
- Composit window frame with olive green anodised aluminium facia
- 5
- Precast window sill
- 6
- Recessed brickwork below first floor window openings
- 7
- Deep precast stringer course and panelling to tie in with canopy at entrance
- 8
- Red clay brick with flush mortar joints
- 9
- Bench seating integrated to facade at building entrance
- 10
- Push/pull vertical brick below ground floor window openings



7

7.5

Exterior

Bay Studies - Gable

The gable end presents a bold and contemporary articulation.

Decorative patterns wrap around the gables, reacting to the central window in a symmetrical arrangement.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- Precast coping stone, flush with brickwork banding below

Push/pull vertical brick ribbon

Precast recessed window headers

Composit full height window frame with olive green anodised aluminium facia

Red clay brick with flush mortar joints

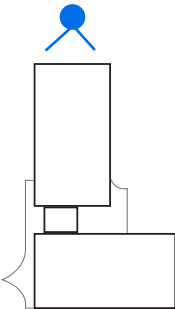
Deep precast stringer course and panelling to tie in with canopy at entrance

Secondary exit door with full height glazing, nested within an olive green aluminium frame

Vertical brickwork referencing facade proportions on east and west

Bench seating aligned to vertical brickwork

External landscaping as per landscape architects report



7

7.5

Exterior

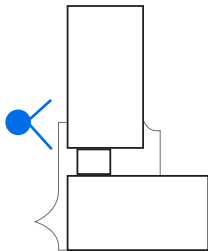
Bay Studies - Entrance

The entrance areas include special features.

A canopy provides a shelter by the entrance to promote social interaction in the public zones of the scheme. This element is expressed as an extrusion of the cornice detail that continues along the elevation. Other special elements include the school logo and benches.

The link is glazed to promote the transparency through the main entrance.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- Precast coping stone, flush with brickwork banding below
- Push/pull vertical brick ribbon
- Precast recessed window headers
- Composit full height picture window frame with olive green anodised aluminium fascia
- Precast window sill
- Recessed brickwork below first floor window openings
- Deep precast stringer course and panelling to tie in with canopy
- Red clay brick with flush mortar joints
- Bench seating integrated to facade
- Push/pull vertical brick below ground floor window openings
- Pre-cast concrete canopy supported by circular columns
- Provisional location for school logo/graphic



7 Exterior

7.6 Main entrance



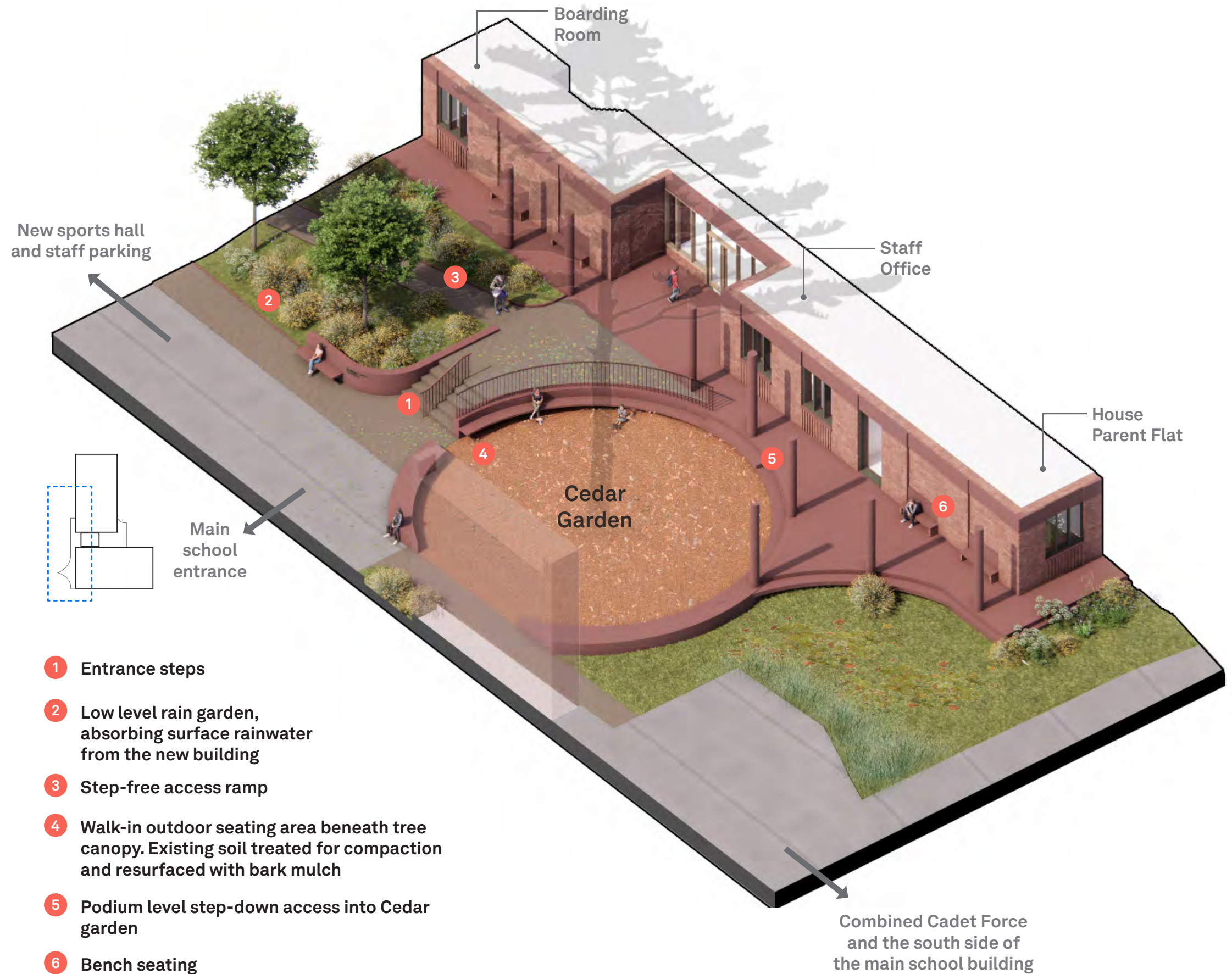
Steps to negotiate level change between the existing playground and the internal finish floor level of the new boarding house



Proposed pre-cast bench seating flanking the entry steps, creating a protected area around the cedar tree from informal vehicular parking and further soil compaction from student footfall



Integrated bench seating beneath the entrance canopy on portion of facade modulation without fenestrations



7

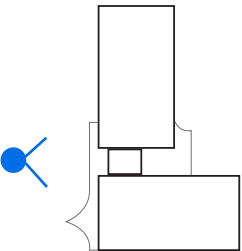
7.7

Exterior

External Views



Main entrance from the playground on the west



7

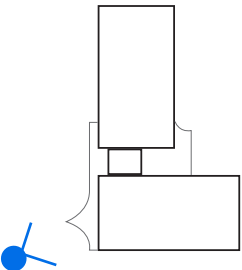
7.7

Exterior

External Views



Main entrance - Cedar Garden



7

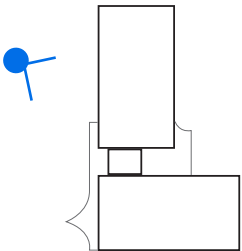
7.7

Exterior

External Views



Main entrance from step-free access ramp



7

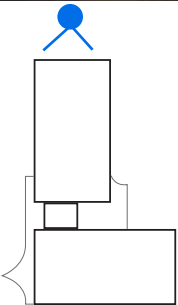
7.7

Exterior

External Views



North block gable end



7

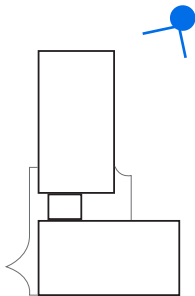
7.7

Exterior

External Views



Approach from the north east pathway and staff parking



7

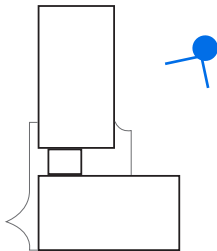
7.7

Exterior

External Views



View towards rear entry door crossing the shared courtyard



7

7.7

Exterior

External Views

