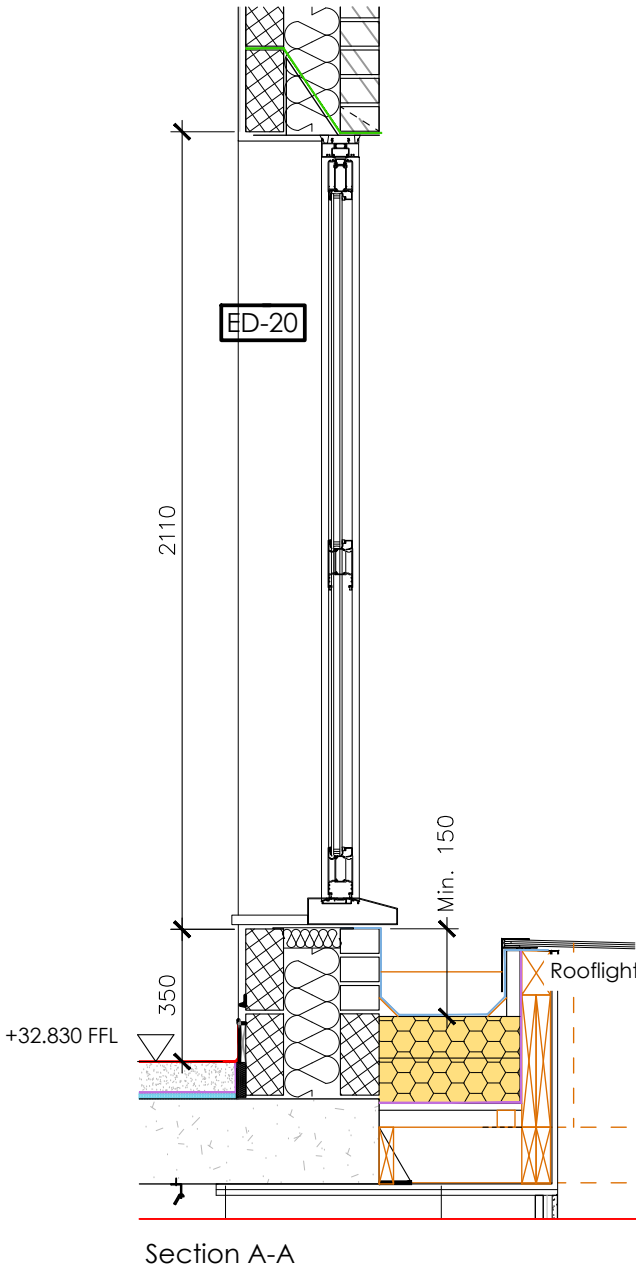
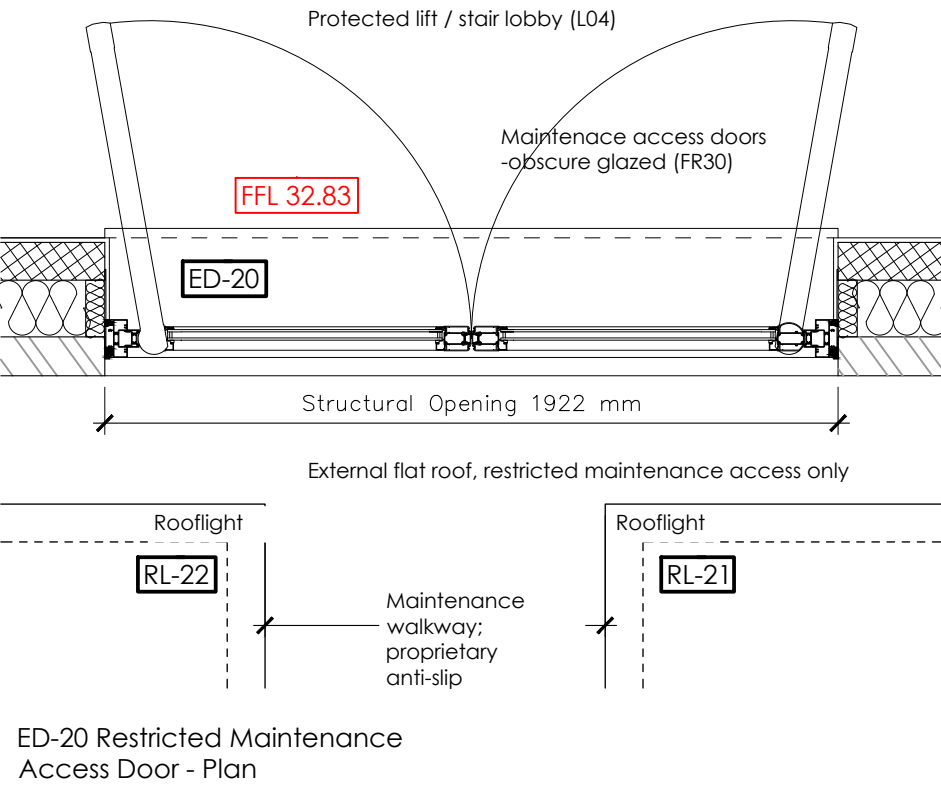
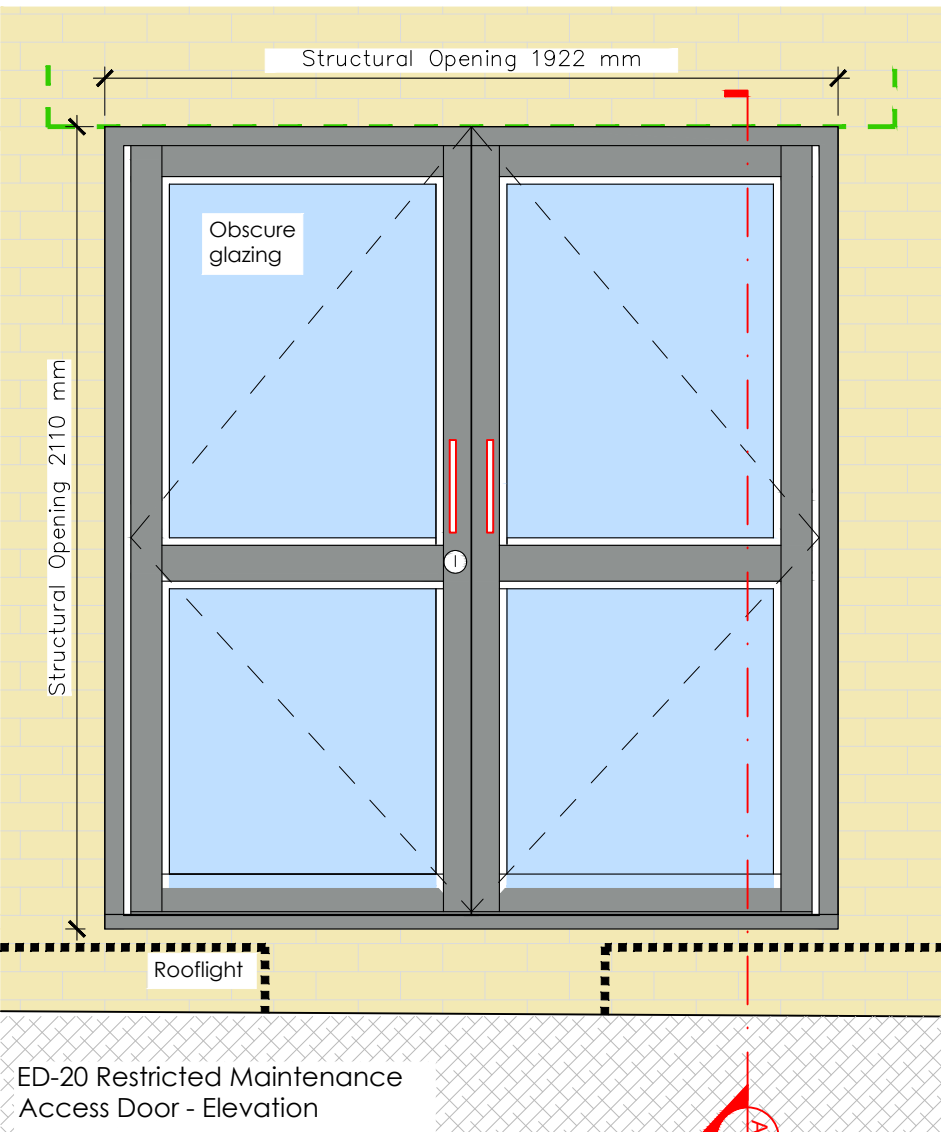


Rev	DATE	NAME	NOTES

Notes:
Do not scale this drawing.
All levels and dimensions are to be checked on site.
This drawing is to be read in conjunction with all relevant consultants drawings and specifications, together with safety plan requirements.
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PROJECT	Phase 2, Hurstpierpoint College		
DRAWING	External Doors (ED01 & 20)		
STAGE	Tender Issue	JOB NO. : 712	DATE : 07/07/2026
DWG NO.	AL-606	SCALE : 1:20 @A1	REVISION : . DRAWN : DB
Do not scale. Use figured dimensions only. Check dimensions on site. Notify BSC of any discrepancies. copyright BSC Ltd.			



ED-20 EXTERNAL RESTRICTED MAINTENANCE ACCESS DOOR
Door type and system
Provide inward-opening external aluminium restricted maintenance access door, for authorised maintenance use only. Door to be nominal 2100 mm high and to be certified FR30 / 30-minute fire-resisting doorset, subject to final confirmation by the fire strategy and Building Control. Proposed system to be TECHNAL SOLEAL Next fire safety door, or equal approved certified fire-rated aluminium doorset.

Restricted maintenance access only
ED-20 provides restricted maintenance-only access to the flat roof and is not to be used for general access, pupil/staff circulation or means of escape. Access to be by authorised maintenance personnel only and controlled by maintenance key set.

Fire-resisting performance
Doorset to achieve minimum FR30 / 30-minute fire-resisting performance, including frame, door leaf, glazing, beads, seals, hinges, lock, threshold and all associated ironmongery. Fire certification / test evidence to be directly applicable to the proposed doorset size, configuration, glazing arrangement, ironmongery and installation method.

Opening direction and use
Door to be inward opening and used for maintenance access only. Door to be kept locked and accessed by authorised maintenance staff only. Provide suitable maintenance access signage where required.

High threshold / step condition
Internal floor level is approximately 350 mm below cill level, forming a high threshold / step-over condition. This arrangement is accepted only on the basis that ED-20 is a restricted maintenance access door and not a normal access door. Provide slip-resistant threshold / step surface and suitable internal handhold / grab handle to assist safe access.

Obscure glazing and natural light
Provide obscure glazed daylight panel to maximise internal natural light while maintaining privacy. Glazing to be fire-resisting obscure safety glass forming part of the certified FR30 doorset assembly. Standard obscure double glazing is not acceptable where fire-resisting performance is required.

Safety glazing
Glazing to comply with BS 6262, BS EN 12600 and Approved Document K. Glass type, thickness, safety classification and obscure finish to be confirmed by the specialist doorset manufacturer. Submit obscure glass sample for approval prior to manufacture.

Thermal performance
Door to achieve whole doorset U-value $U_d \leq 1.6 \text{ W/m}^2\text{K}$, subject to compatibility with the certified FR30 doorset assembly. Specialist contractor to provide certified whole doorset U-value calculation. Centre-pane glass values alone will not be accepted.

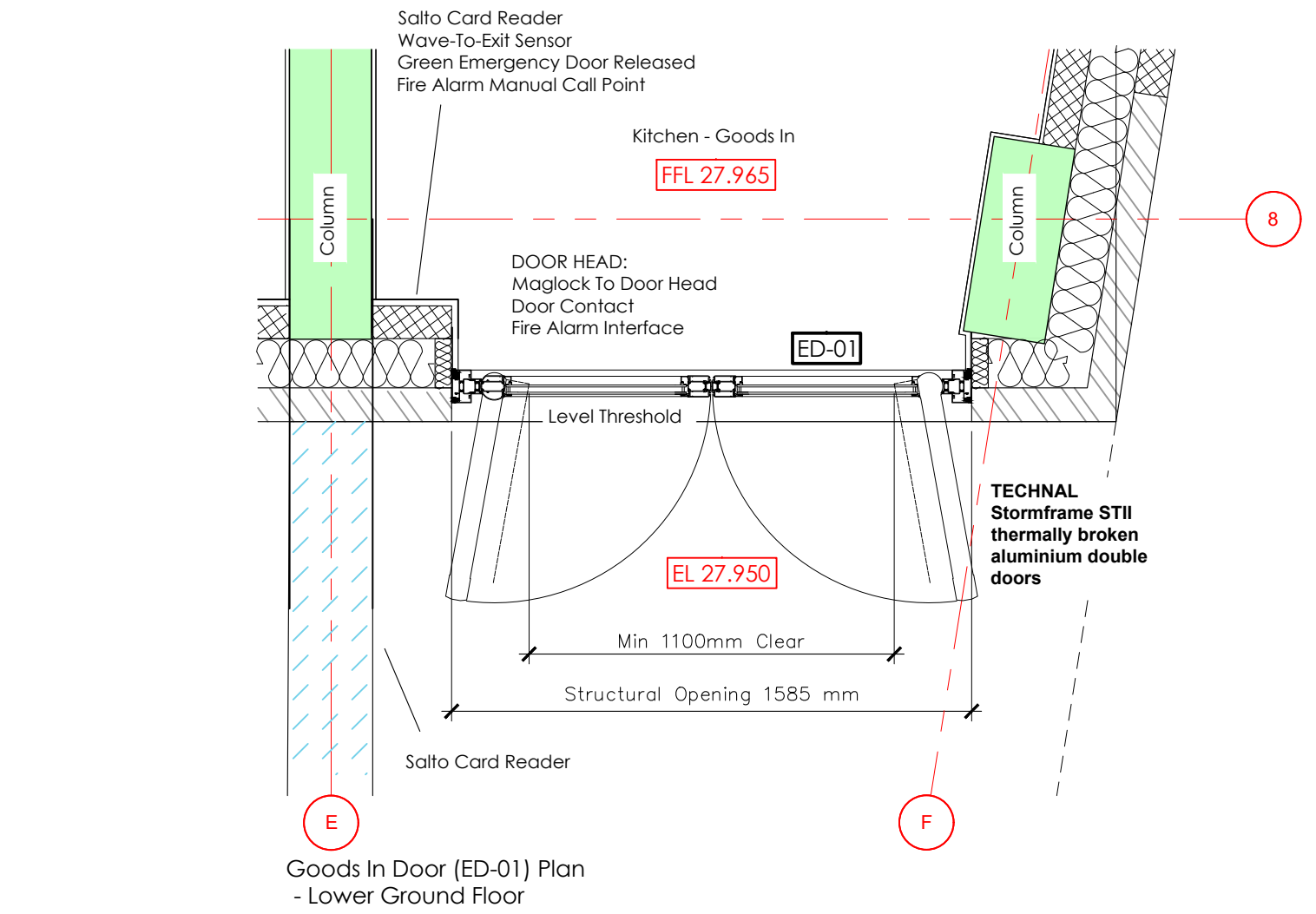
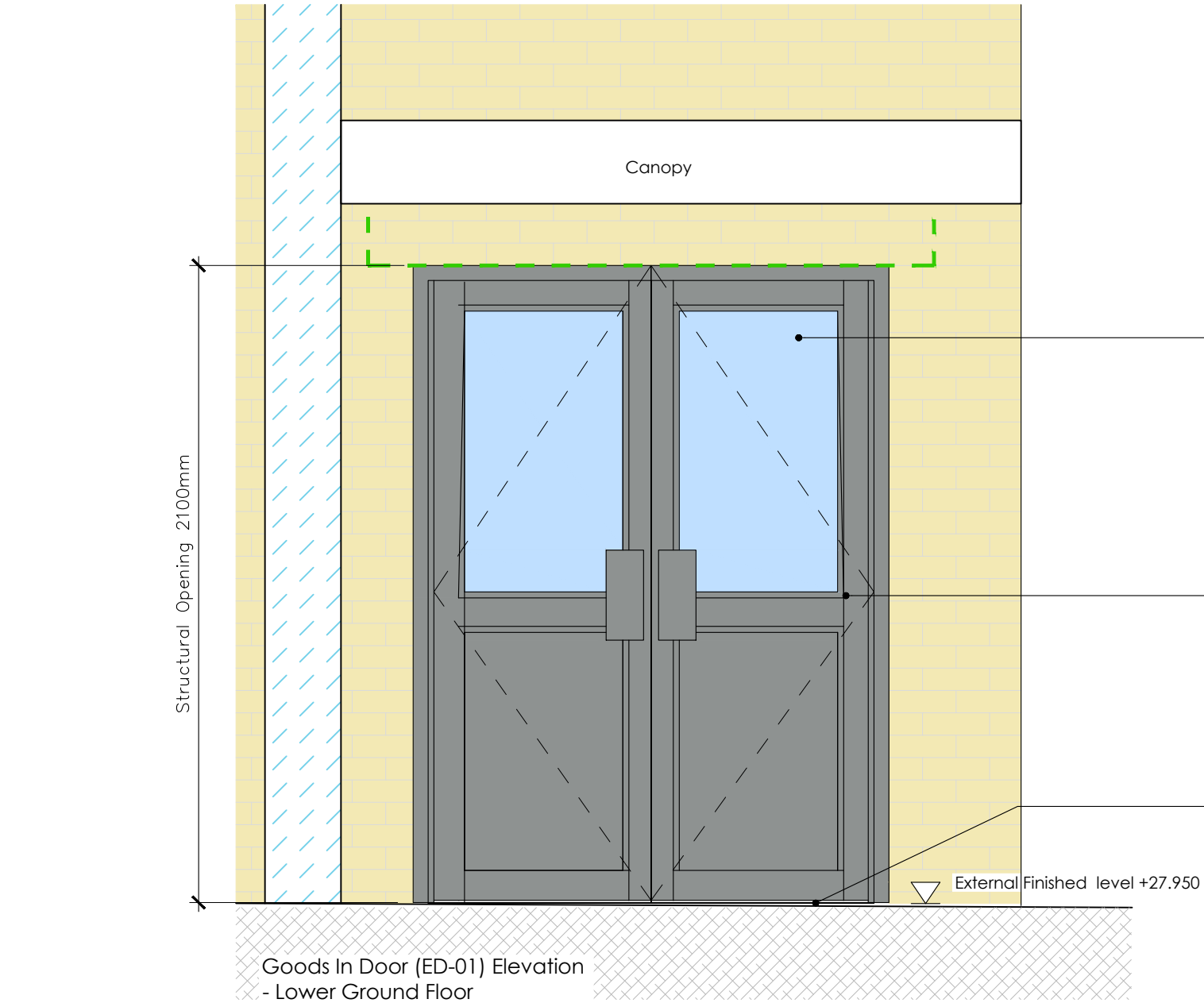
Threshold and weathering
Provide external weathered threshold, full perimeter seals, DPC / EPDM interfaces and weathering details suitable for external exposure. Threshold detail to suit inward-opening door arrangement and prevent water ingress. Final threshold, drainage and perimeter details to specialist manufacturer's design.

Roof access safety
External roof side to provide safe standing area / walkway, non-slip surface and guarding / edge protection where required. Access route and use to be covered by the Contractor's maintenance access risk assessment, O&M information and Work at Height procedures.

Ironmongery
Ironmongery to be maintenance key-set operation only, suited to the College standard maintenance key system. Provide lock cylinder, lever / pull furniture, hinges, seals and signage to suit maintenance-only use. All ironmongery to be compatible with the FR30 fire test evidence / certification.

Finish
Aluminium frame and door finish to be PPC, colour to match elevation drawings. Final colour sample to be submitted for approval prior to manufacture.

Specialist submittals
Specialist contractor to verify all dimensions and site conditions and submit manufacturer's proposals, shop drawings, fire certification / test evidence, glazing specification, obscure glass sample, safety glazing certification, U-value calculation, threshold / weathering details, fixing details, ironmongery schedule, maintenance access details, roof-side safety provisions and O&M information for design team review prior to manufacture.



Thermal performance
Doors to achieve whole doorset U-value $U_d \leq 1.6 \text{ W/m}^2\text{K}$. Specialist contractor to provide certified whole doorset U-value calculation for the complete installed doorset. Centre-pane glass values alone will not be accepted.

Means of escape ironmongery
Doors to be openable from the escape side without key, code or specialist knowledge. Escape ironmongery to suit the fire strategy and occupancy, panic hardware to BS EN 1125 where required, or emergency escape hardware to BS EN 179 where confirmed appropriate for trained staff-only use. Final active leaf, passive leaf, effective clear opening width and ironmongery arrangement to be confirmed by the specialist contractor.

Provide controlled hold-open facility for deliveries, using electromagnetic hold-open closers or wall / floor mounted electromagnetic door retainers to both leaves. Hold-open devices to retain doors safely open during goods-in deliveries without obstructing escape routes, circulation routes or delivery movement.

Fire alarm release
Hold-open devices to be linked to the fire alarm system and arranged to release automatically on fire alarm activation and power failure where required by the fire strategy. Doors to close fully into the frame when released. Manual wedges, loose door stops, hooks or non-controlled hold-open devices are not permitted.

Access control
Access control, where required, to include external card reader, maglocks, internal wave-to-exit, green emergency door release / break glass unit, door contacts and fire alarm interface. Access control to be via Salto door control system, or agreed College standard. Maglocks and access control to release on fire alarm activation and power failure unless otherwise agreed with the fire strategy and security design.

Specialist submittals
Specialist contractor to verify all dimensions and site conditions and submit manufacturer's proposals, shop drawings, structural calculations, wind-load assessment, threshold / drainage details, fixing details, glazing specification, safety glazing certification, U-value calculation, ironmongery schedule, hold-open device details, access control / fire alarm interface details, wiring requirements and O&M information for design team review prior to manufacture.

Vision panels and safety glazing
Provide glazed vision panels to door leaves, positioned towards the leading edge to give visibility zones generally between 500 mm and 1500 mm AFRL, with any intermediate rail zone generally between 800 mm and 1150 mm AFRL. Glazing to be high-performance low-e insulated double glazed safety glass, toughened and/or laminated as required, complying with BS 6262, BS EN 12600 and Approved Document K. Provide manifestation where required to full-height glazing.

Door type and system
Provide TECHNAL Stormframe STII thermally broken aluminium double doors, or equal approved, suitable for high-use external goods-in access and forming part of the first floor kitchen means of escape route. Doors to be outward opening in the direction of escape where required by the fire strategy. PPC finish colour to match elevation drawings.

Threshold and weathering
Provide level / accessible drained threshold, full perimeter weather seals, threshold drainage, DPC / EPDM interfaces and weathering details suitable for external exposure. Final threshold, drainage and perimeter details to specialist doorset manufacturer's design.

Notes:
Blue fill = vision glazing
Green dashed line = cavity tray / cavity barrier zone, refer notes
Red dashed line = grid / section reference