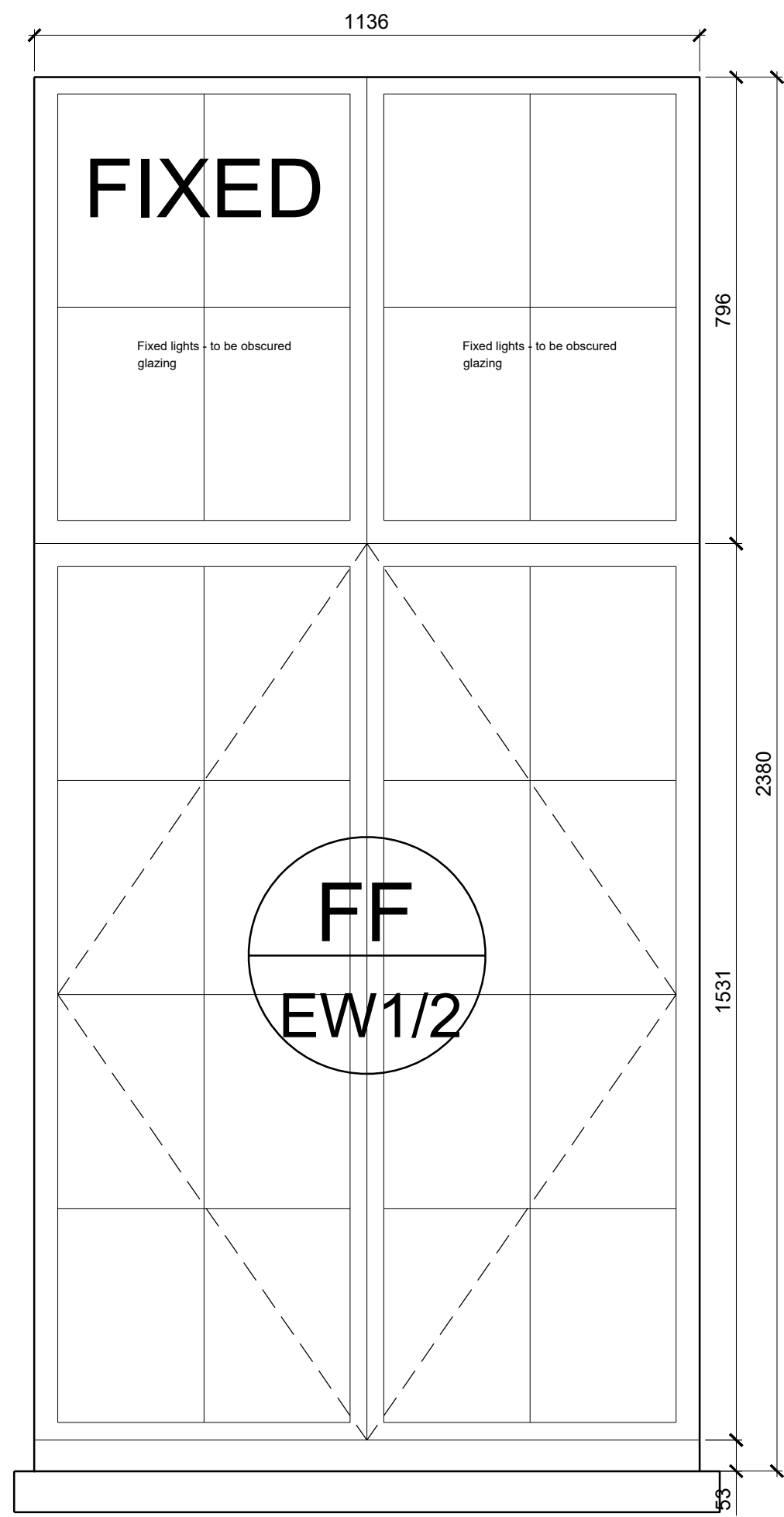
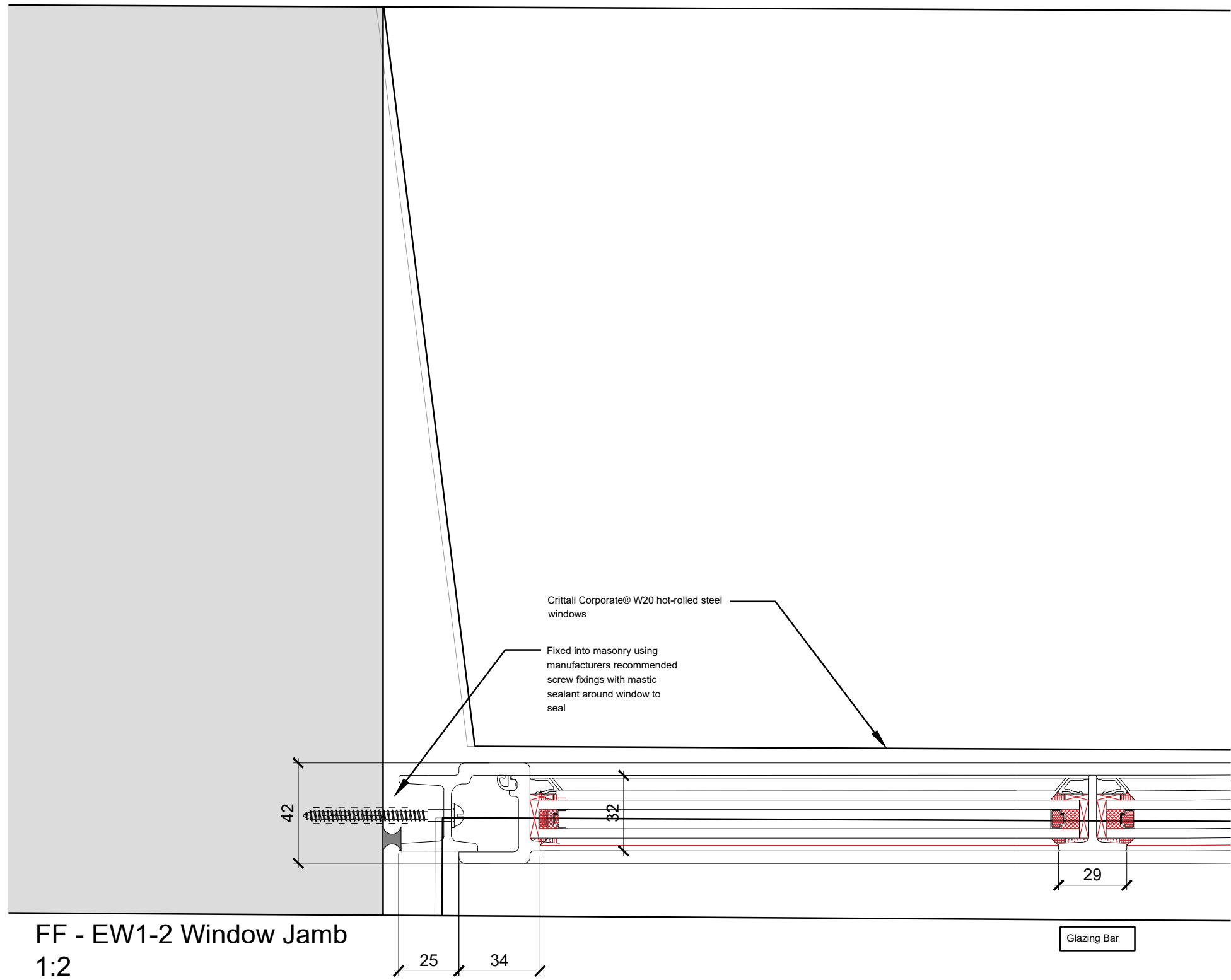




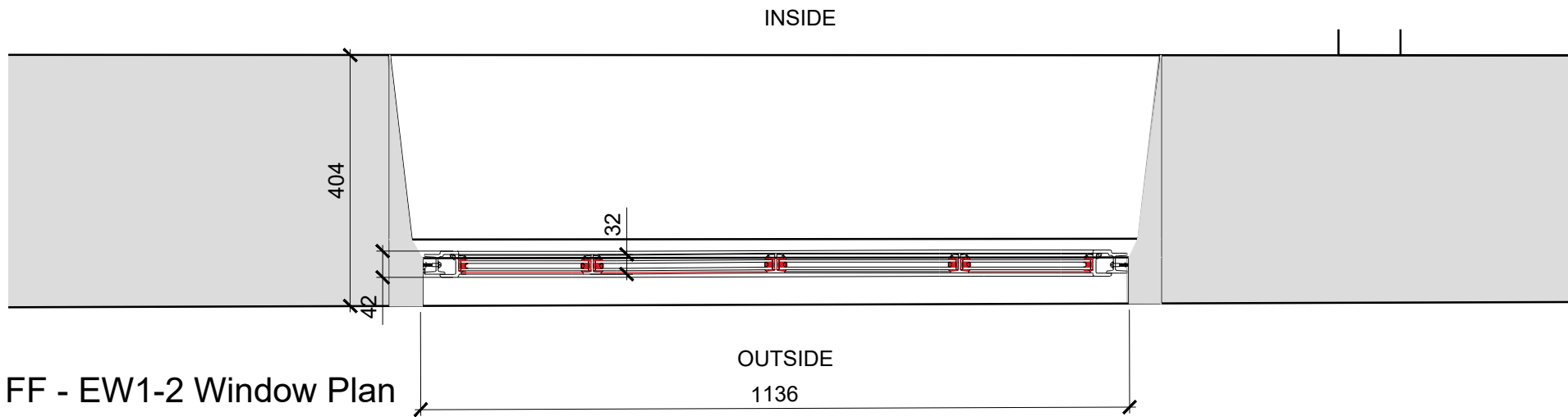
FF - EW1-2 External Window Elevation
1:10



AOV External Photograph



FF - EW1-2 Window Jamb
1:2



FF - EW1-2 Window Plan
1:10



NOT FOR CONSTRUCTION
SIZES TBC BY MANUFACTURE

Crittall W20

Steel windows (listed refurbishment): Refurbish/replace to match existing fenestration (sightlines, frame depths, glazing bar pattern and putty-line appearance where applicable) using Crittall Corporate® W20 hot-rolled steel windows; welded corners; intermediate bars hot tenon riveted; hot-dip galvanized to BS EN ISO 1461; Duralife® polyester powder coat to BS EN ISO 13438 min. 60 microns; EPDM gaskets to BS 4255-1; neutral cure low-modulus silicone to BS 5889 Type A.

Double glazed IGUs to suit thermal/acoustic/heritage constraints within W20 allowable thickness (up to 16.4 mm per Crittall W20 NBS clause

Provide glazing bars as drawn/scheduled: integral W20 tee bars to match elevations.

AOV (smoke ventilation) function – windows as vents

AOV requirement: Designate selected opening lights as automatic opening vents in accordance with the Fire Strategy and relevant smoke ventilation standard framework (NSHEV / smoke & heat control series). Where the fire strategy requires certified NSHEV ventilators, provide vents and actuators/controls with appropriate declared performance to BS EN 12101-2 (natural smoke and heat exhaust ventilators).

Actuation: Provide concealed or visually discreet electric actuators (typically 24 VDC chain/linear type) sized to achieve required free area/opening stroke and overcome wind loading, with:

fail-safe operation to open on fire signal

local maintenance isolation

manual override (e.g., break-glass / key switch) where required by the fire strategy

position indication/end switches as required for controls and BMS integration (if applicable).

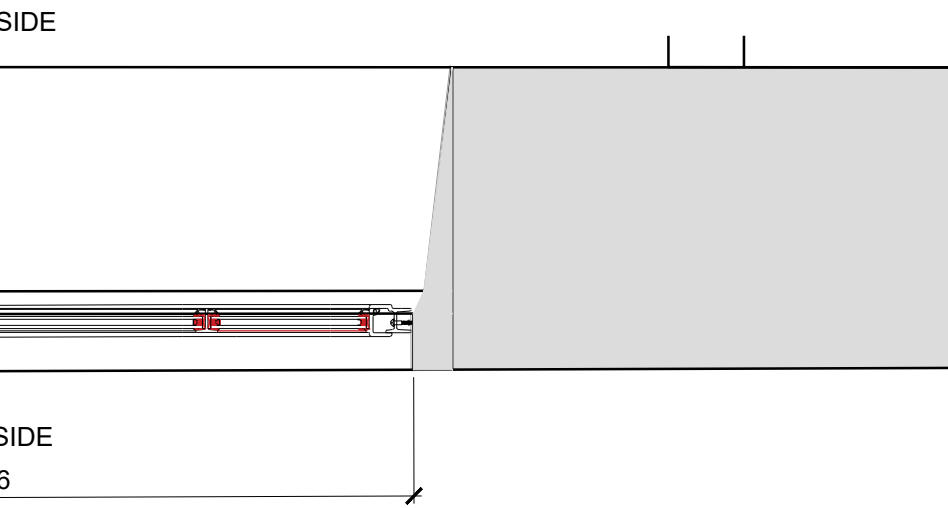
Controls / power supplies / fire alarm interface: Provide dedicated AOV control panel and interface modules to accept a signal from the fire alarm control panel (FACP) and drive the window actuators, including monitored circuits where required. Power supplies and standby arrangements to meet the applicable smoke control power supply standard (commonly referenced as EN 12101-10 for smoke & heat control system power supplies). Provide battery standby such that loss of mains does not prevent emergency opening command (typical products describe up to 72 hours standby to support emergency operation—confirm project requirement and fire strategy).

Heritage integration (AOV): Coordinate actuator position, cable routes and access so that:

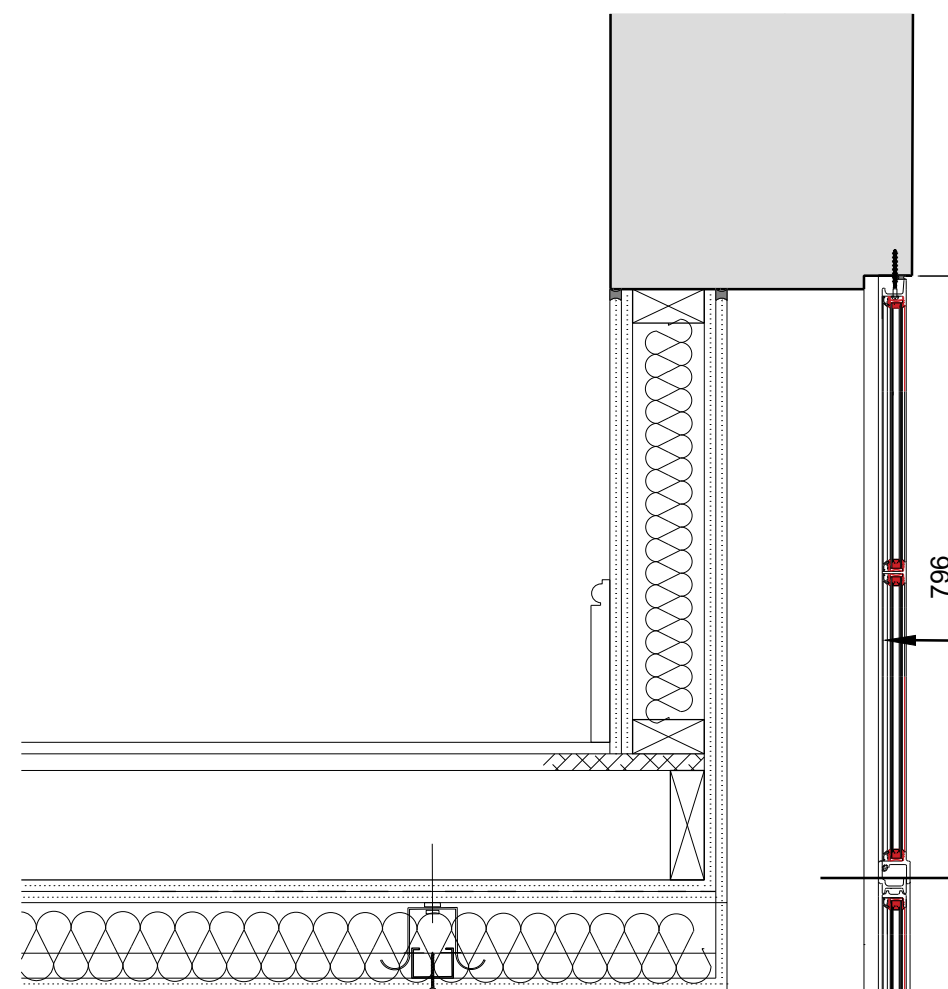
fixings are minimised and (where feasible) reversible,

visual impact on historic fabric is limited (concealed trunking/routes; match finishes),

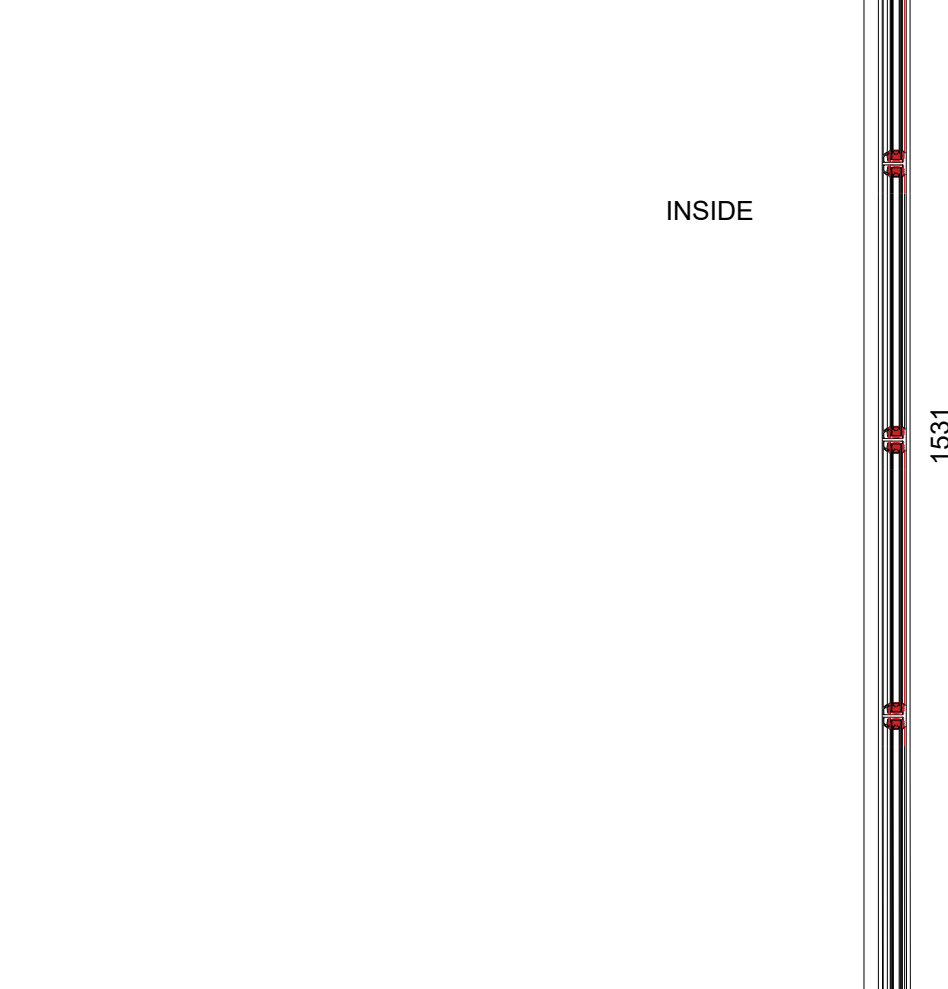
no loss of significant glazing bar proportions/sightlines on principal elevations, maintenance access is achievable without damaging historic surrounds.



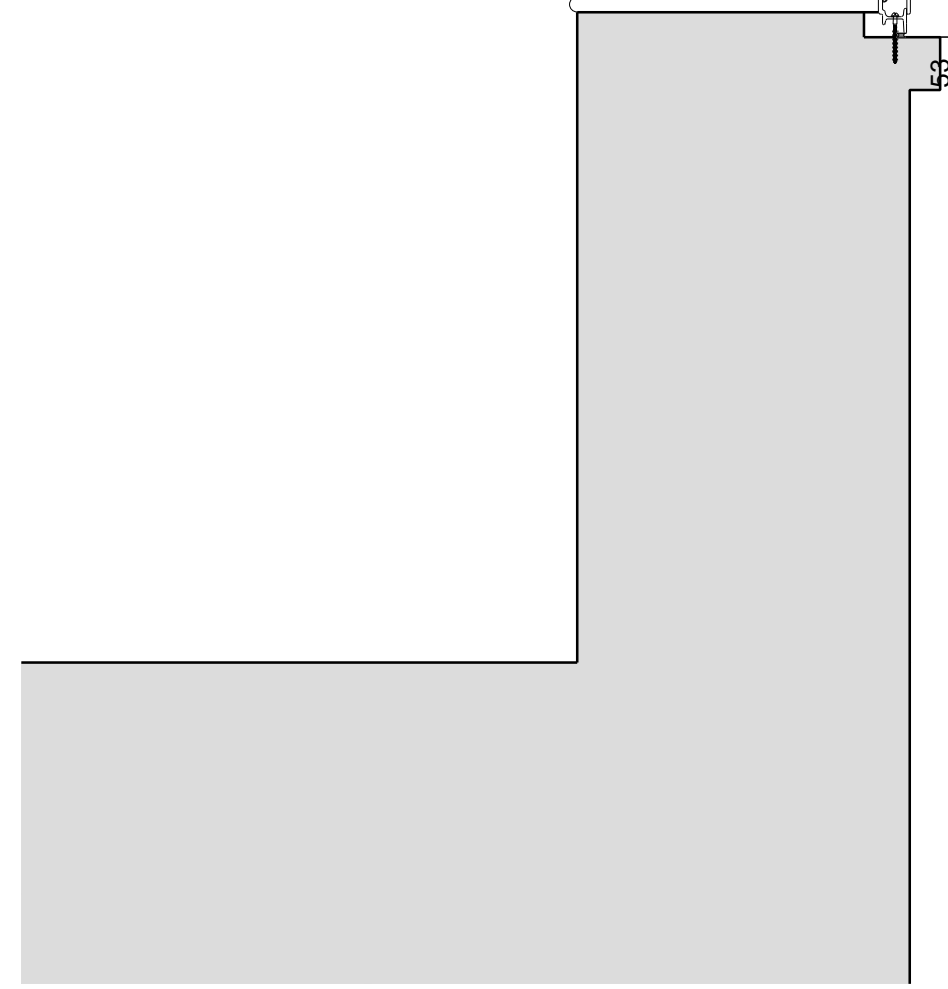
FF - EW1-2 Window Section
1:10



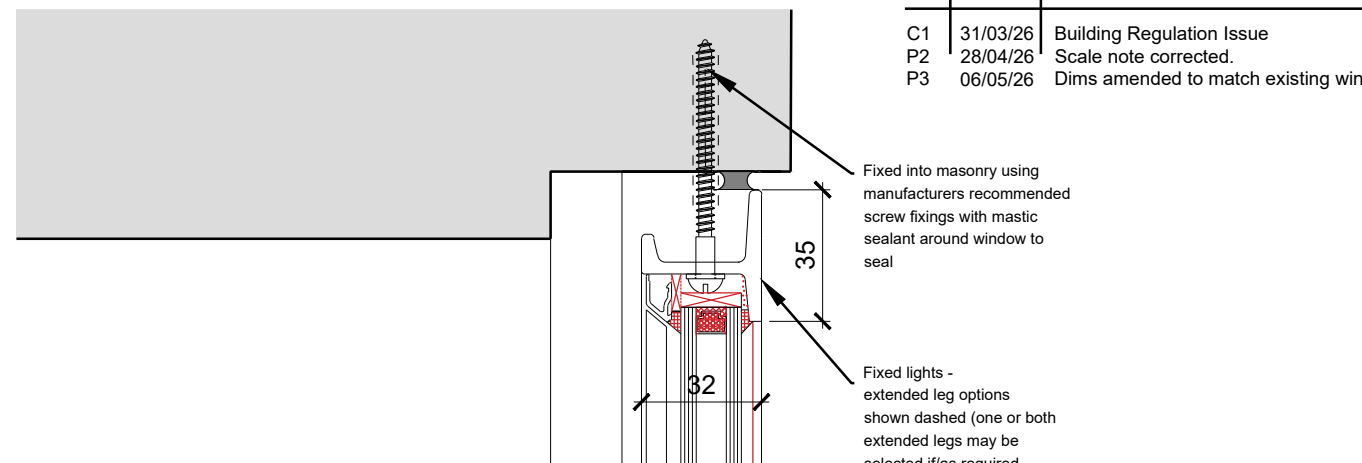
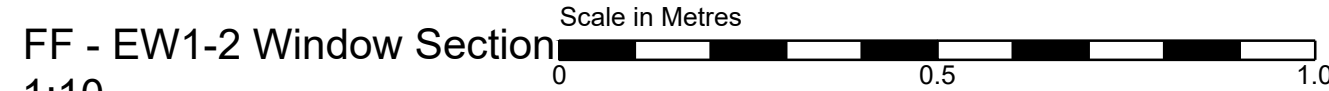
FF - EW1-2 Window Section
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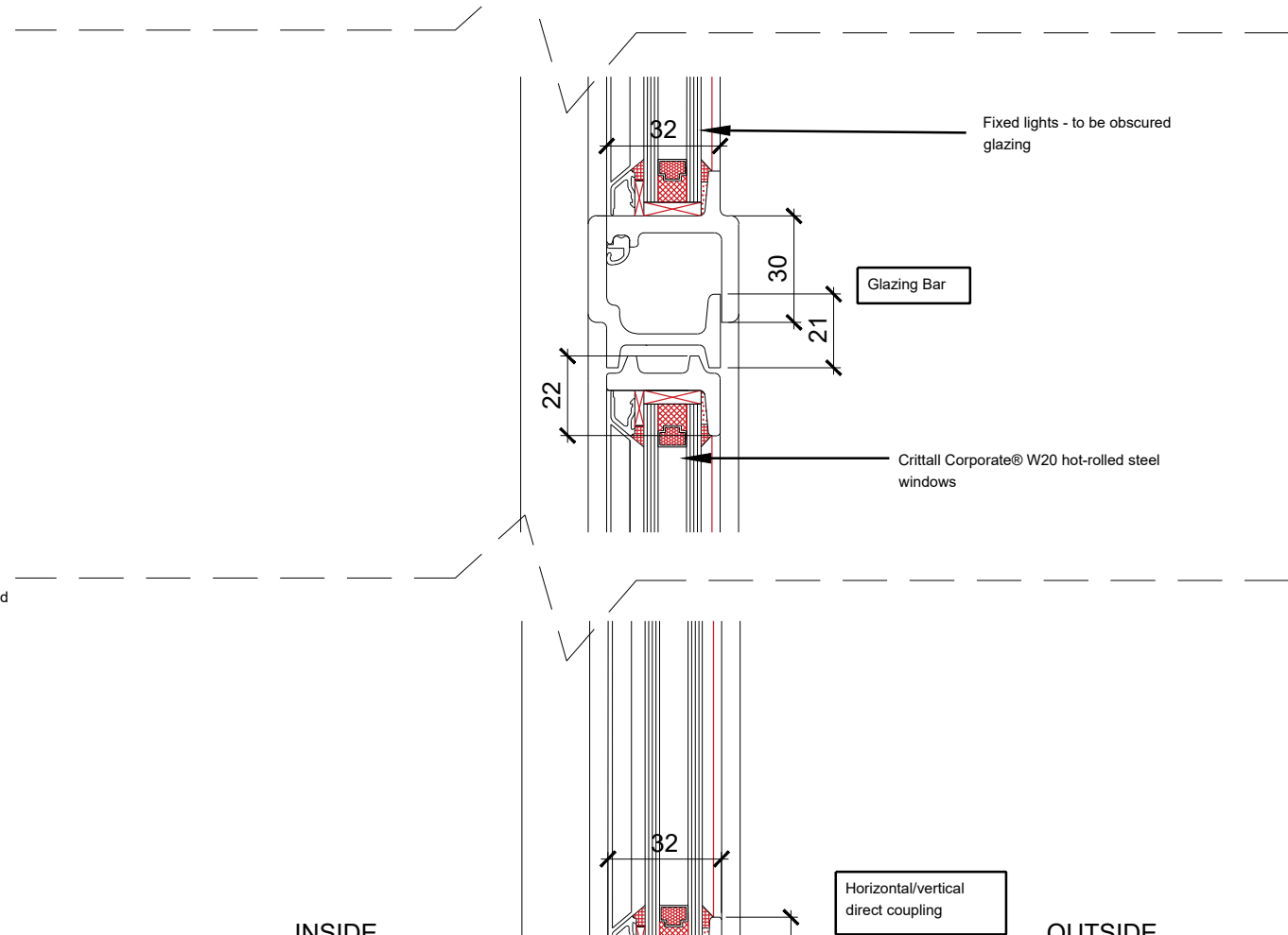
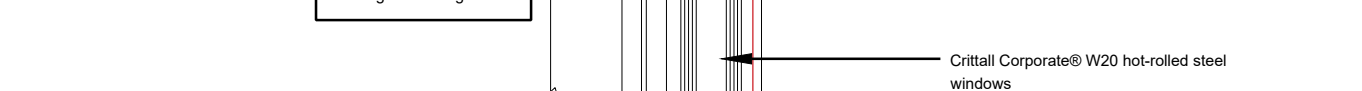
FF - EW1-2 Window Section
1:10



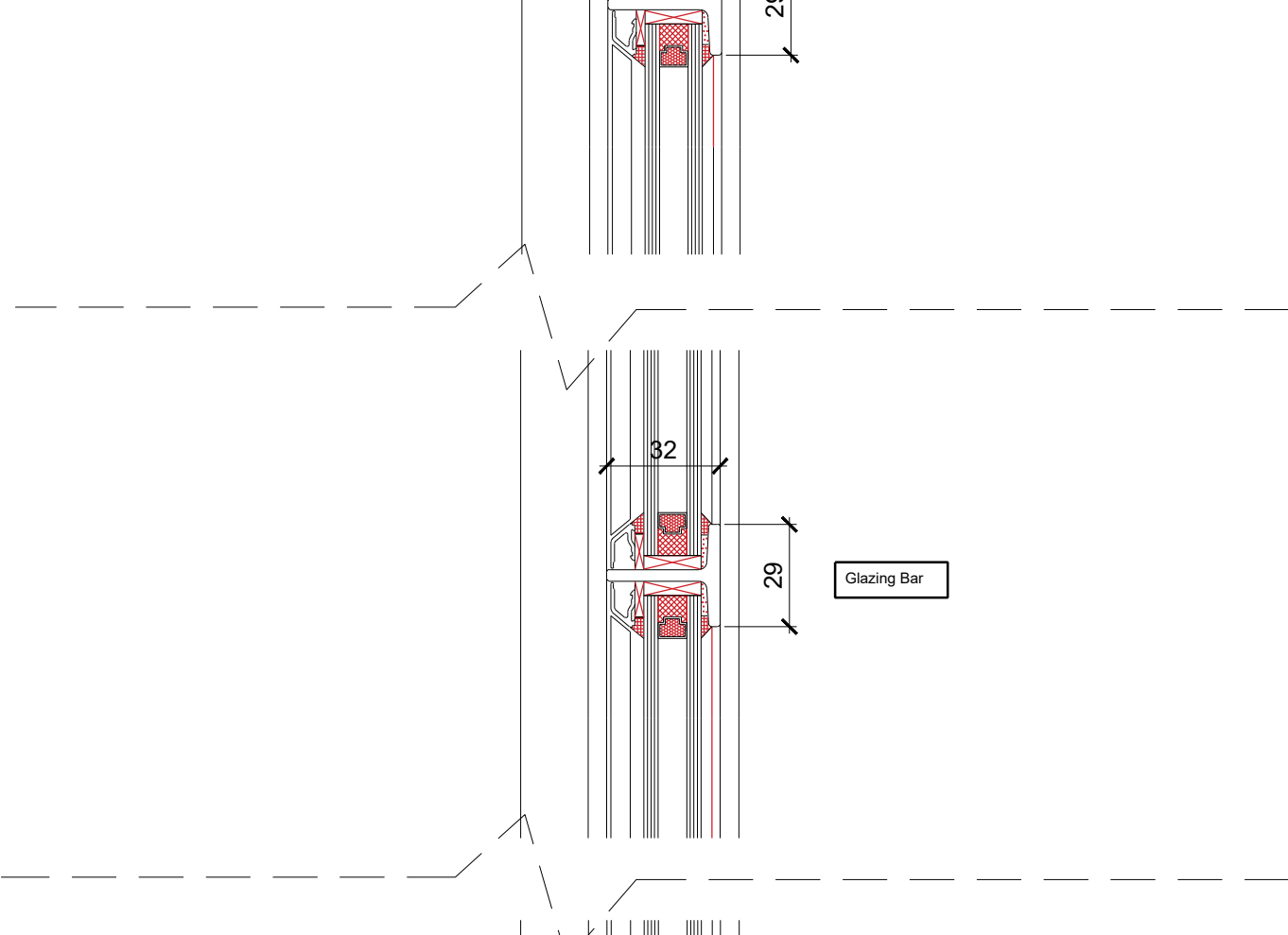
FF - EW1-2 Window Section
1:10



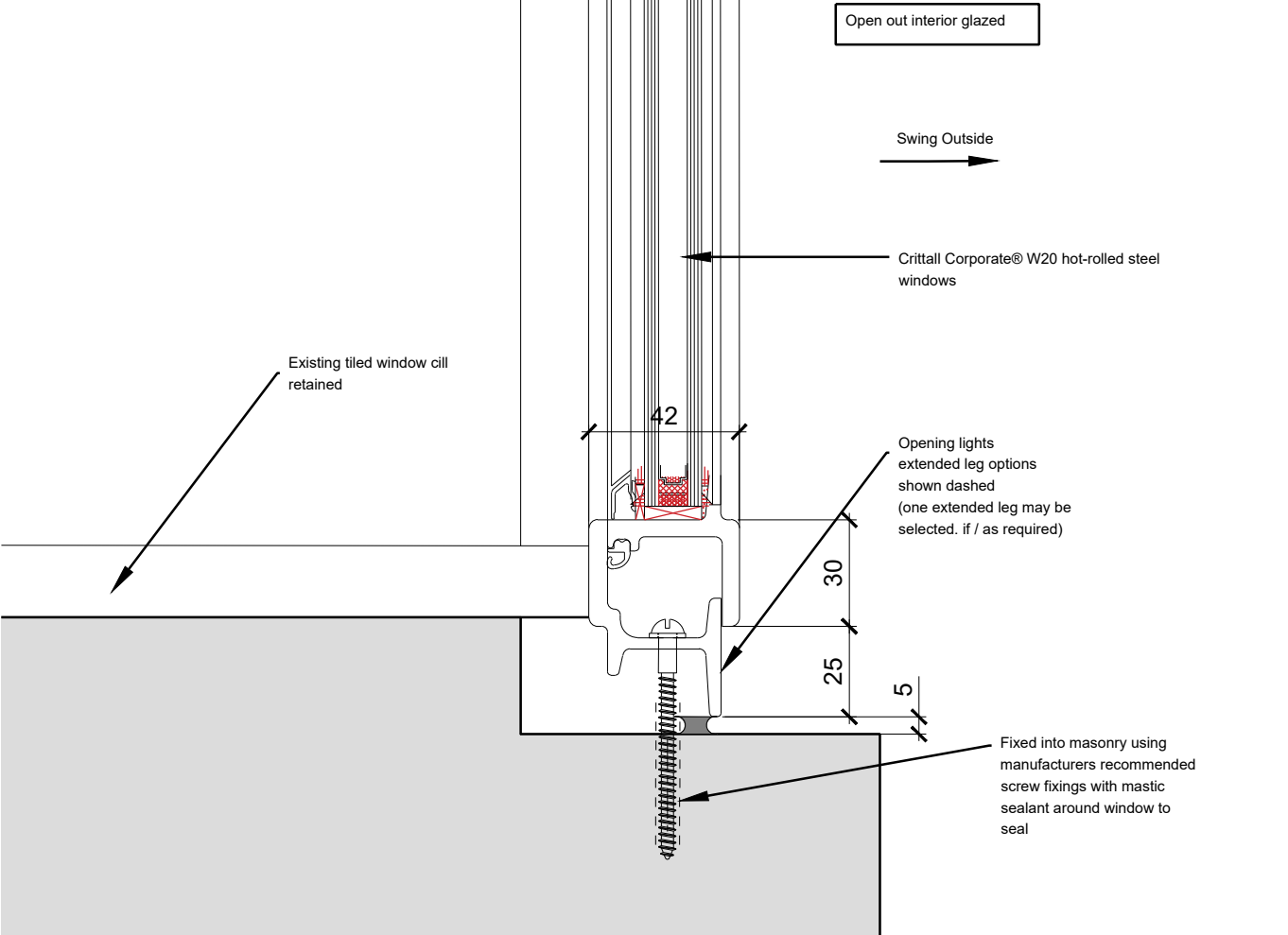
FF - EW1-2 Window Detail
1:2



FF - EW1-2 Window Detail
1:2



FF - EW1-2 Window Detail
1:2



FF - EW1-2 Window Detail
1:2



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rev	date	amendment	dwn	chkd
C1	31/03/26	Building Regulation Issue	MH	JJ
P2	28/04/26	Scale note corrected.	MH	JJ
P3	06/05/26	Dims amended to match existing window	MH	JJ