

SPECIFICATION NOTES: WINDOW INSULATION BUILD-UP

1. WINDOW SPECIFICATION

- PROVIDE WHITE uPVC MULTI-CHAMBERED CASEMENT WINDOW SYSTEM.
- WINDOWS TO ACHIEVE A WHOLE-UNIT MAX U-VALUE OF 1.4 W/m²K COMPLIANT WITH APPROVED DOCUMENT L VOLUME 2 STANDARDS FOR NON-DOMESTIC REFURBISHMENT.
- GLAZING UNIT: MINIMUM 24mm/28mm DOUBLE GLAZED UNITS FEATURING LOW-E COATING, ARGON GAS FILLING, AND THERMAL WARM-EDGE SPACER BARS PERIMETER.

2. CAVITY & FLASHING THERMAL ISOLATION

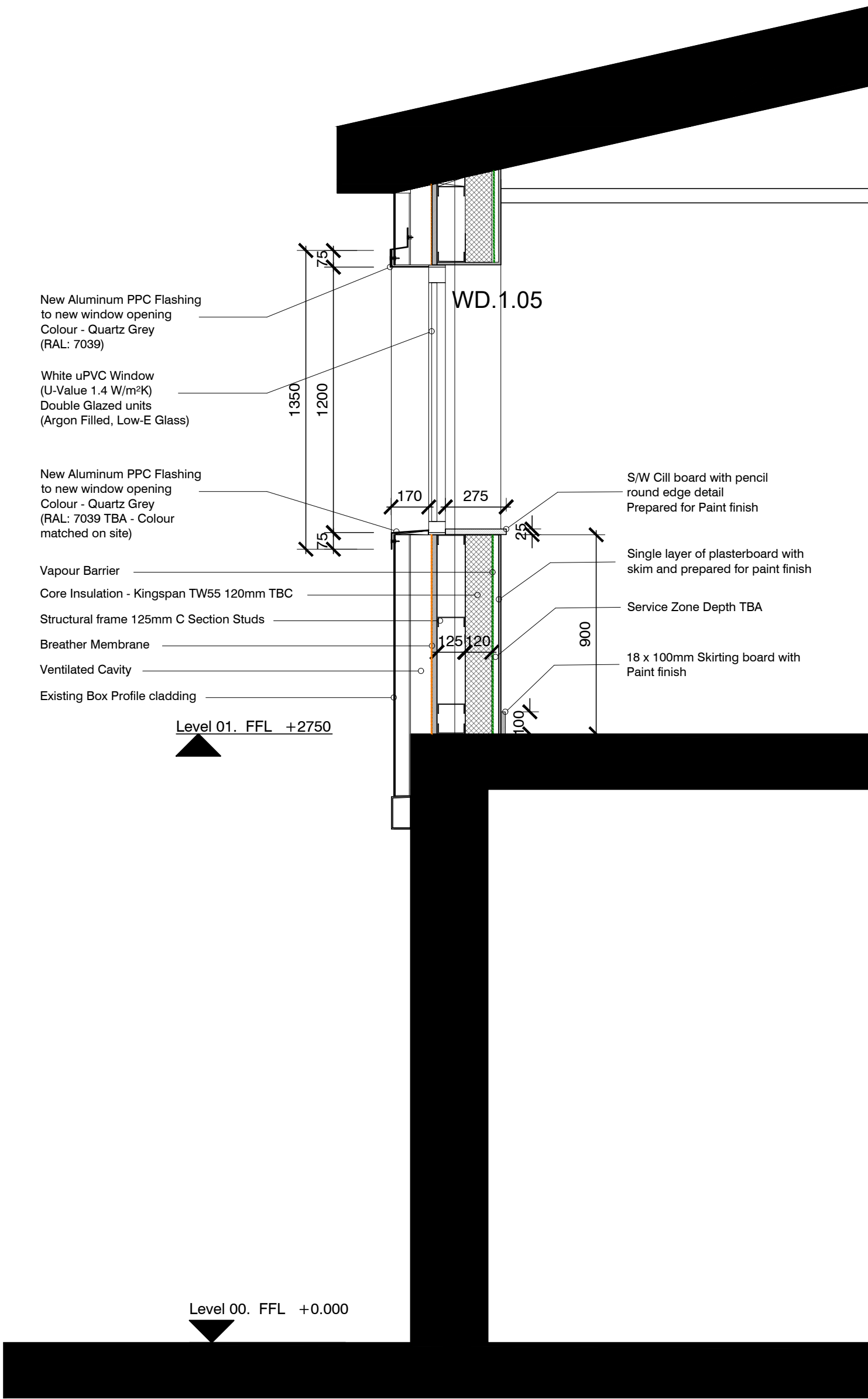
- MAINTAIN MINIMUM 25mm TO 50mm VENTILATED CLEAR CAVITY/AIR GAP BETWEEN THE EXISTING BOX PROFILE METAL CLADDING AND THE MAIN WALL WRAP.
- FIX THE SPECIFIED ALUMINIUM PPC FLASHING (QUARTZ GREY RAL: 7039) TO BRIDGING REVEALS.
- REVEALS MUST BE ISOLATED AND SEALED AT ALL FRAME PERIMETERS USING COMPRESSIBLE FOAM TAPES (EPDM CORE) AND BRIDGING SEALANTS TO PREVENT LOCALIZED WIND REVEAL DRAFTS.

3. INTERNAL WALL STRUCTURE & CAVITY CORE CORE INSULATION

- REAR FRAMING LAYER STRUCTURAL LOAD BORNE BY 140mm DEEP TIMBER STUD FRAME SYSTEM.
- PACK CORE CAVITIES ACCORDINGLY WITH 120mm THICK KINGSPAN THERMAWALL TW55 RIGID FOIL-FACED PIR INSULATION INTERNAL CORE BOARDS (THERMAL CONDUCTIVITY 0.022 W/mK).
- BOARDS MOUNTED FLUSH TO THE EXT BARRIER LINE, LEAVING A CONTINUOUS 20mm INTERNAL SERVICE VOID CHANNEL FOR CAVITY DATA AND ELECTRICAL CONDUIT RUNS.
- LINE ALL CRITICAL REVEAL SPACES PERPENDICULAR TO THE FRAME FACE WITH A MINIMUM 20mm/25mm THICK STRIP OF KINGSPAN TW55 INSULATION TRACK TO PREVENT FLANKING BRIDGE BRIDGES.

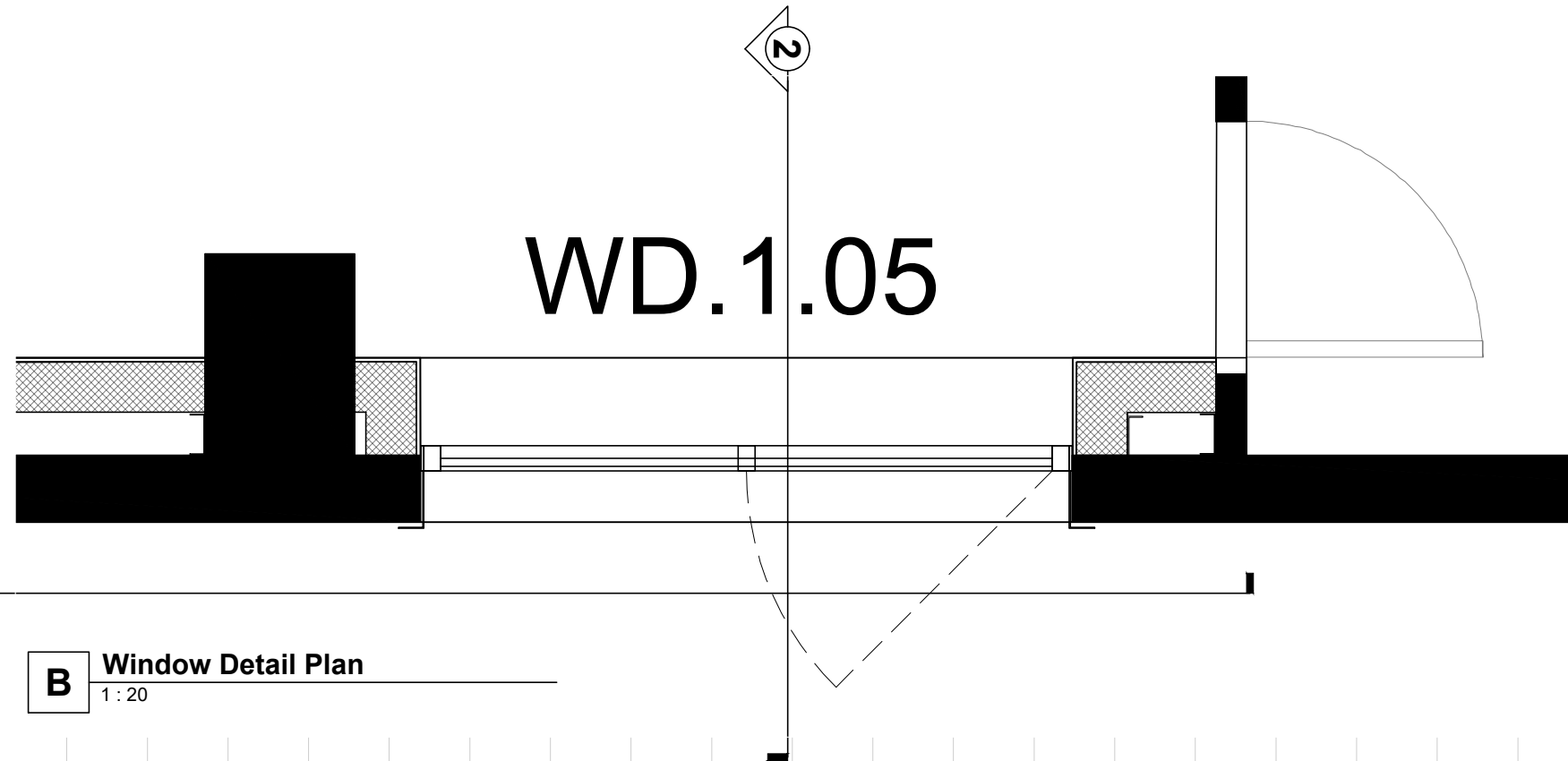
4. AIRTIGHTNESS AND PERIMETER MOISTURE BARRIERS

- LAY WRAP-AROUND BREATHABLE MEMBRANE (E.G. TYVEK HOUSEWRAP) ON THE STRUCTURAL FACE.
- APPLY A CONTINUOUS 1200-GAUGE POLYTHENE VAPOUR CONTROL LAYER (VCL) OVER ROOM-SIDE STUDS.
- SEAL OVERLAPS, FASTENER PIERCINGS AND FRAMES COMPLETELY WITH ALUMINIUM FOIL TAPE.
- FINISH INTERNALLY WITH 12.5mm GYPROC PLASTERBOARD PLASTER FINISHED AND SKIM COATING.



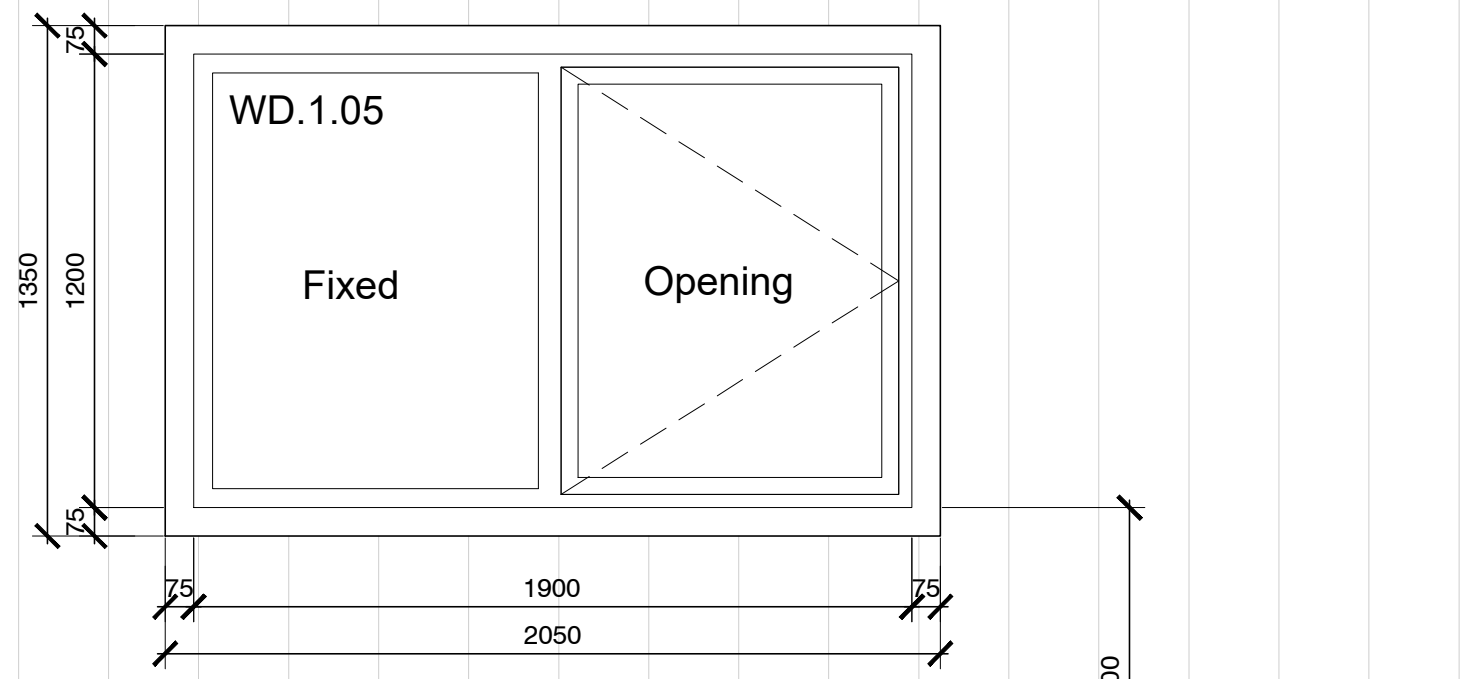
2 Window Section

1 : 20



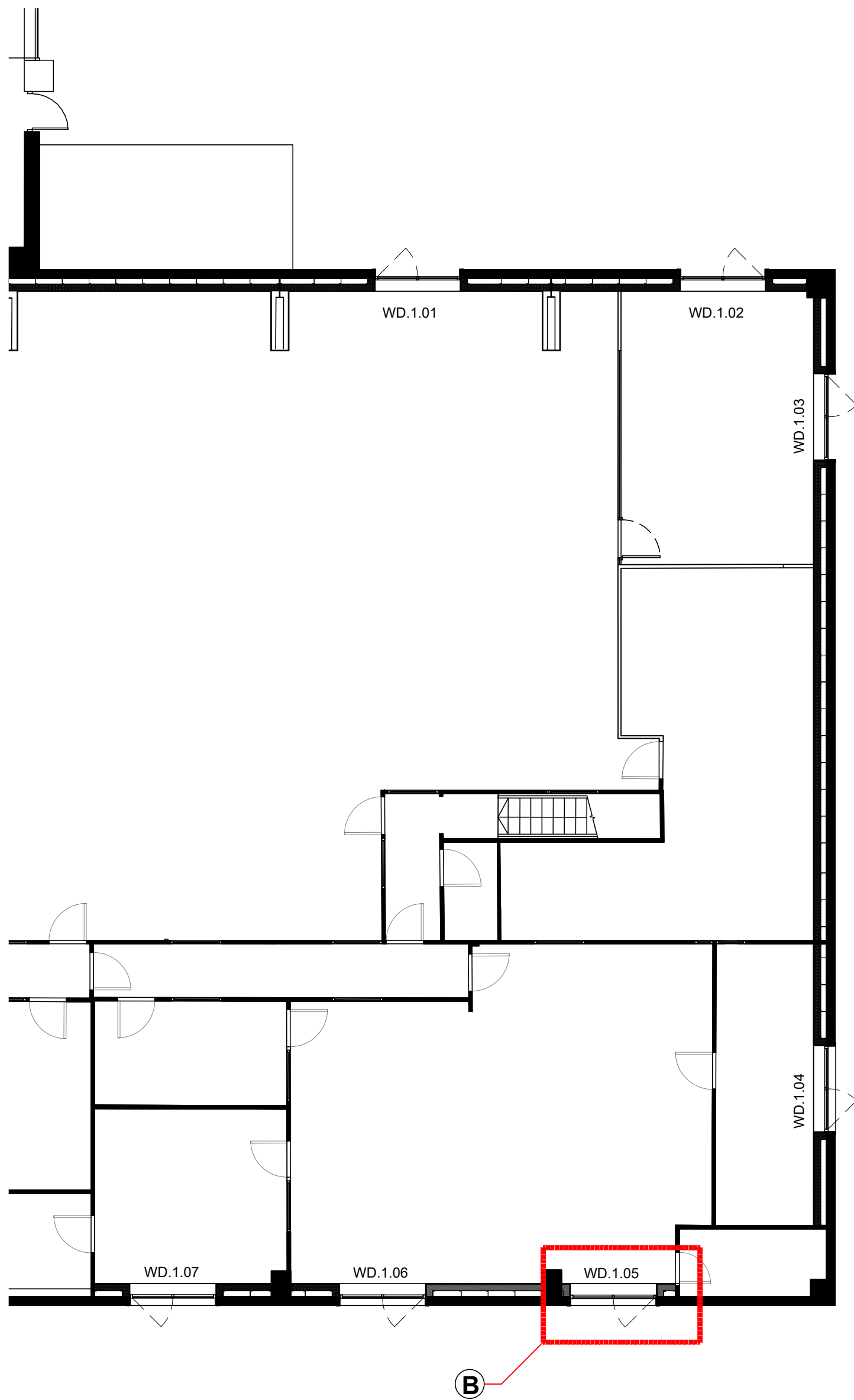
B Window Detail Plan

1 : 20



1 Window Elevation

1 : 20



A Location Plan

1 : 500

Window Schedule

Project Range: WD.1.01 – WD.1.07

Total Quantity: 7 Units

Frame Material & Finish: White uPVC (Internal & External)

Frame Dimensions: 1900mm (Width) x 1200mm (Height) (Structural Frame Size)

Glazing: 24mm/28mm Double Glazed Units (Argon Filled, Low-E Glass, Warm-Edge Spacer Bars)

Thermal Performance: Whole Unit Max U-Value 1.4 W/m²K

Location & Opening Directory (Viewed from Inside)

Ref	Elevation Location	Opening Side
WD.1.01	East Elevation	Left Hand Opening
WD.1.02	East Elevation	Right Hand Opening
WD.1.03	South Elevation	Left Hand Opening
WD.1.04	South Elevation	Right Hand Opening
WD.1.05	West Elevation	Left Hand Opening
WD.1.06	West Elevation	Left Hand Opening
WD.1.07	West Elevation	Right Hand Opening

Ironmongery & Hardware NotesHinges:

Friction stay egress hinges with easy-clean facility.

Locking: Multi-point locking system with key-locking white handles.

Ventilation: Background trickle ventilation (minimum 8000mm² equivalent area per window) to be integrated into the top frame unless mechanical ventilation is fully handling room fresh-air requirements.

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Hazard Identification

ref	hazard	date
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rev	revision details	by	date
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Client
Chadwicks of Bury

Project
Workplace Refurbishment
Chadwicks of Bury
Villiers Street Bury BL9

Drawing Title
External Window Details

Drawn by JB Date 27.05.2026

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Job no. 26-F090 Scale 1:20 @ A1

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