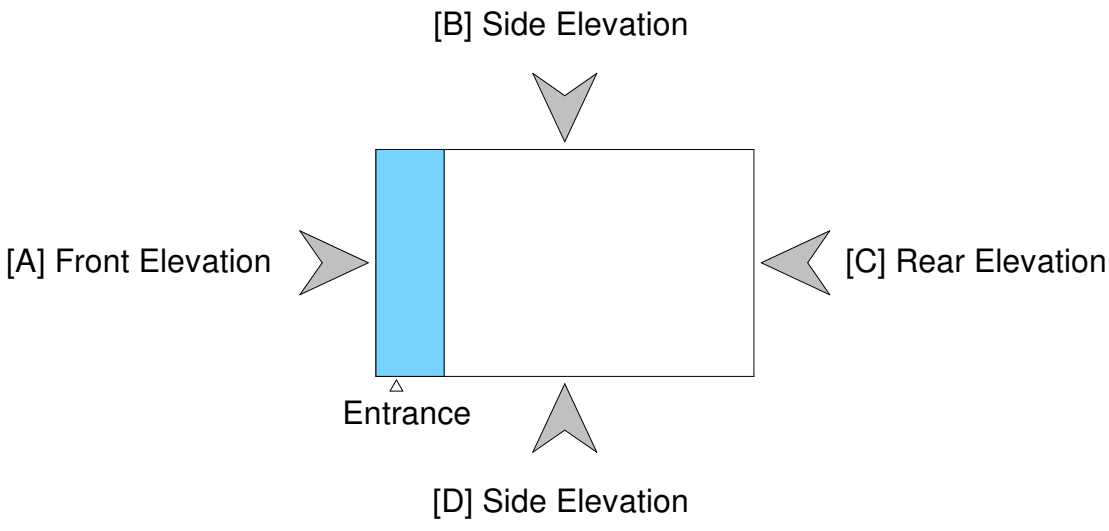
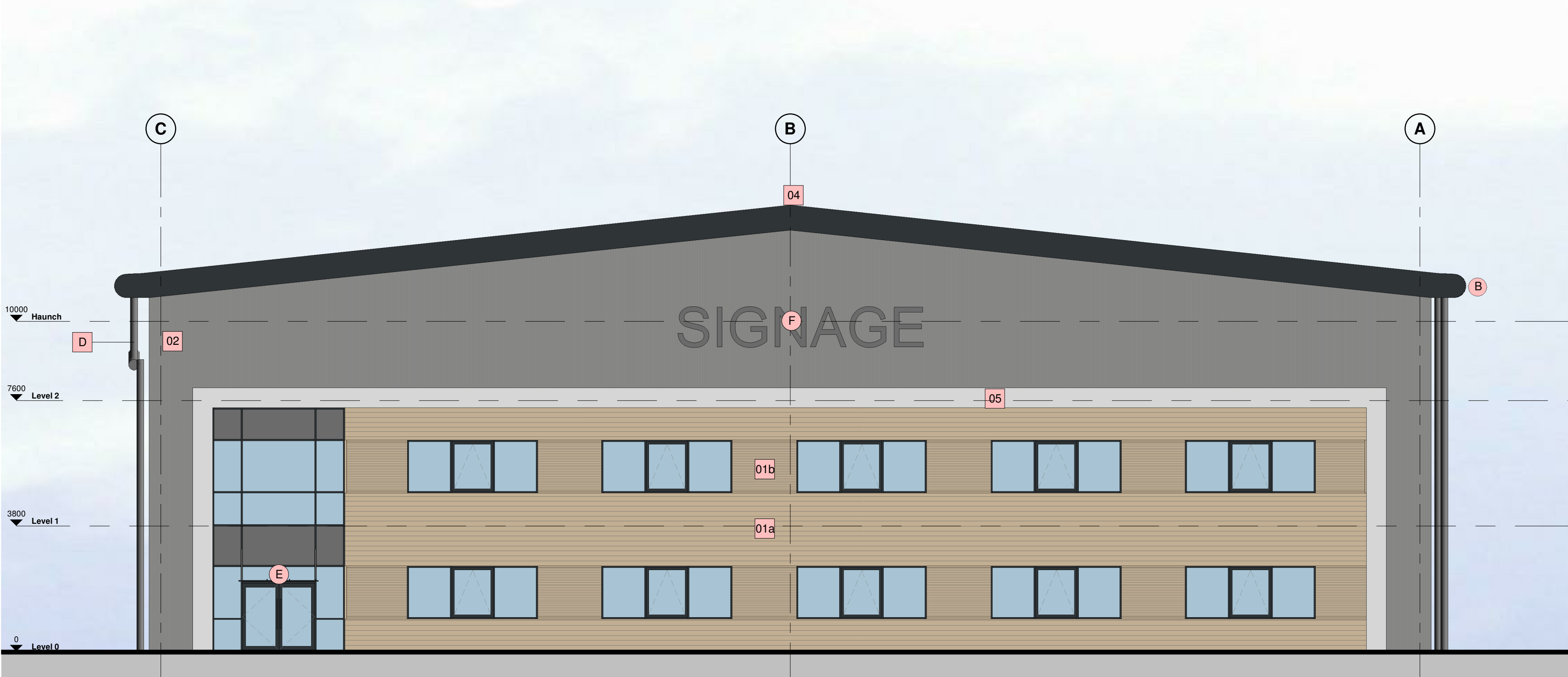
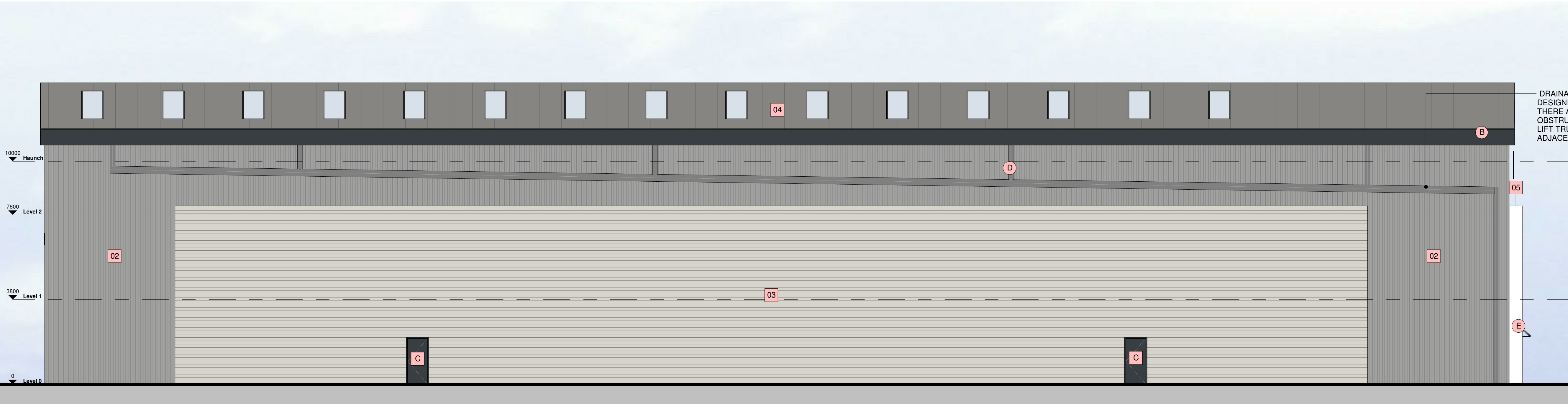




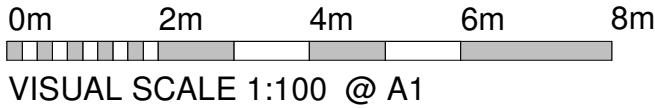
Elevation Reference Key



A Front Elevation
1 : 100



B Side Elevation 1
1 : 100



Building Fabric Materials Schedule

- [01a] Wall Type 1a - Kingspan KS-1000RW c/w 80mm thick insulation core. (Vertically laid). To be finished with timber rainscreen tongue and groove system (factory applied coating) - NORclad (UK) Western Red Cedar: NWC3 (or similar approved). Timber cladding panels to be fixed using stainless steel grade 304 fixings (annular ring shank nails with a flat head) on 45mm x 45mm 'Brunnea' treated timber battens @600mm centres (vertically laid) between trapezoidal profiles.
- [01b] Wall Type 1b - Kingspan KS-1000RW c/w 80mm thick insulation core. (Vertically laid). To be finished with timber rainscreen battened system (factory applied coating) - NORclad (UK) Western Red Cedar: 55 x 20 'Brunnea' treated planks (or similar approved). Timber cladding panels to be fixed using stainless steel grade 304 fixings (Countersunk ST.ST.Screw) on 45mm x 45mm 'Brunnea' treated timber battens @600mm centres (vertically laid) between trapezoidal profiles.
- [02] Wall Type 2 - Composite metal cladding, 60min fire rated Kingspan Quadcore KS-1000RW (60/15 integrity/insulation) with 74mm thick insulation core to achieve 0.25 W/m2K Maximum span to be 3m. Joins to be internally stitched @250mm centres where fire protection is required. Vertical Trapezoidal profile - White Aluminium (RAL 9006)
- [03] Wall Type 3 - Composite metal cladding, 60min fire rated Kingspan Quadcore Curved Wall Panel (60/15 integrity/insulation) with 74mm thick insulation core to achieve 0.25 W/m2K Maximum span to be 3m. Joins to be internally stitched @250mm centres where fire protection is required. Horizontal Half Round profile - Grey White (RAL 9002)
- [04] Roof type 1, Composite System KS1000RW Trapezoidal Grey Aluminium (RAL 9007) with Kingspan KS1000 DLTR Lay-lite rooflights
- [05] Feature Portico in Pressed Aluminium Flat sheeting Colour : Pure White RAL 9010
- A Operational Door - Level Access Sectional insulated shutter, plastisol coated finish, White Aluminium (RAL 9006)
- B Eaves & Verge bullnoses Aluminium profiles, PPC finish Grey Aluminium (RAL 7016)
- C Personnel Access / Escape doorset - Warehouse Galvanised steel, PPC finish matched to cladding, thermally insulated core
- D Rainwater Goods Gravity fed rain water system with Aluminium rainwater downpipes Grey Aluminium (RAL 7016).
- E Glazed Canopy Proprietary glazed canopy over doors
- F Signage zone

Drawing Status

CONSTRUCTION

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Hazard Identification

ref	hazard	date
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PROJECT NOTES

- Design information indicated on this drawing is to be used solely for **COORDINATION** purposes.
- Development proposals are to be read in conjunction with all referenced drawings and documents.
- Soft Landscaping shown is indicative, refer to Landscape Architect design for full details.
- Any proposed levels are indicative and subject to change to suit Civil Engineers design.

REFERENCE DRAWINGS

AV-XX-DR-A-0101 - Site Location Plan
AV-XX-DR-A-0202 - Site Constraints Plan
AV-XX-DR-A-0501 - Site Plan as Proposed
AV-XX-DR-A-0502 - Proposed Site Surfaces & Boundary Treatments
AV-XX-DR-A-0503 - Proposed Bike Store & Cycle Store

Refer to 20 Series For Building GA Plans
Refer to 21 Series For Building GA Elevations
Refer to 22 Series For Building GA Sections
Refer to 23 Series for Setting Out
Refer to 24 Series for RCPs
Refer to 25 Series for Detailed Sections
Refer to 30 Series for Floor Types
Refer to 43 Series for Door Schedules
Refer to 62 Series for Fire Strategy

U-VALUES, AIR PERMEABILITY & TESTING

U-VALUES
Please refer to BRUKL calculations for further information

Calculate area-weighted average U-values
External Walls 0.26 W/m²K
Party Walls 0.26 W/m²K
Ground Floor 0.22 W/m²K
Roof 0.18 W/m²K
External Personnel Doors 2.2 W/m²K
Windows 1.6 W/m²K
Curtain Wall 1.4 W/m²K
Roller Shutters 1.6 W/m²K

AIR PERMEABILITY AND PRESSURE TESTING
Reasonable provision shall be made to ensure the building is constructed to minimise unwanted air leakage through the new building fabric. The measured air permeability to be in compliance with the Target CO2 Emission Rate (TER) design limits.
Air Permeability 5 m³/(hxm²) at 50 Pa
All buildings above 500 m² of total useful floor area must be subject to pressure testing

ADDITIONAL NOTES:
Only **non-combustible** materials are to be used on the building envelope. In relation to timber the façade must meet Euro Class B/Class '0' (BS 476 Part 6 & 7 'Spread of Flame').

C02	Construction Issue	AM	21.02.23	SS
C01	Co-ordination Update	AM	03.02.23	SS
P7	Variation Update	AM	30.11.22	SS
P6	Contract Issue	AM	14.09.22	SS
P5	Cladding clarification	SS	29.06.22	
P4	S.E. Co-ordination Issue	AM	09.05.22	SS
P3	Cladding Specification Amended	AM	13.04.22	SS
P2	Coordinated V4 Tender Issue	AR	14.03.22	SS
P1	Planning Issue (Full App)	BE	18.02.22	DC
Rev	Revision Details	Drawn	Date	Checked

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Project Management • Architecture • Building Surveying • Cost Consultancy

Client

Village Bakery

Project

New B2 / B8 Facility Coed Aben Rd
Wrexham Industrial Estate

Drawing Title

Elevations as Proposed (A&B)

Status	Purpose of Issue
B	PARTIALLY SIGNED-OFF
Drawn by	BE Created 03.06.21
C4 Job no.	21077 Scale 1 : 100 @ A1
Drg no.	Rev
21077-C4P-V4-ZZ-DR-A-2101	C02