

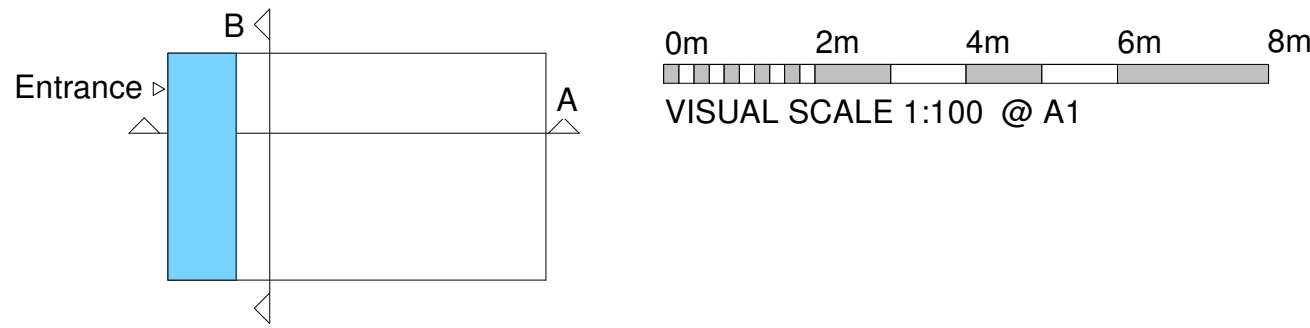
REFERENCE DRAWINGS

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

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.



Elevation Reference Key

Drawing Status

CONSTRUCTION

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All dimensions are to be checked on site by the contractor prior to proceeding with any work. This drawing shall not be scaled to ascertain any dimensions, work to figured dimensions only.

DISCLAIMER

When this drawing is issued in CAD, it is an uncontrolled version issued for information only, to enable the recipient to prepare their own documents/ drawings for which they are solely responsible.

SOFTWARE INTEROPERABILITY

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Hazard Identification

ref	hazard	date
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NOTE:

Steel co-ordination in abeyance and further changes are required.

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 1.6 W/m²K
Roller Shutters 1.5 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.

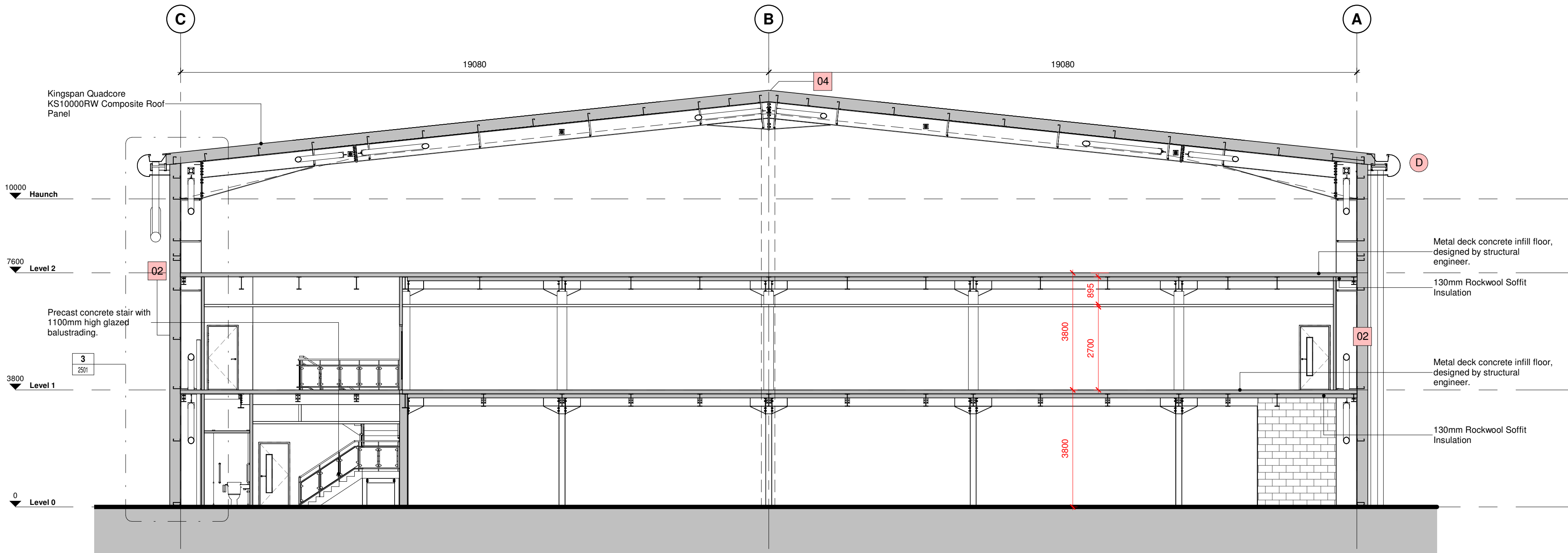
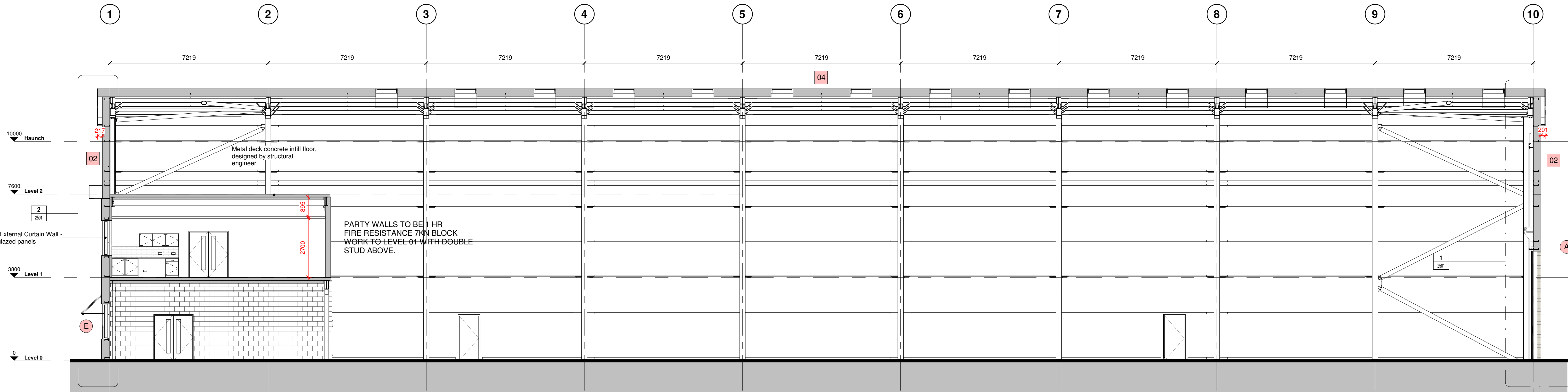
Air Permeability 5 m³/(hxm²) at 50 Pa
All buildings above 500 m² of total useful floor area must be subject to pressure testing

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').

Section A

1 : 100



Section B

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

C02	Construction Issue	AM	21.02.23	SS
C01	Co-ordination Update	AM	03.02.23	SS
P9	Variation Update	AM	30.11.22	SS
P8	Contract Issue	AM	14.09.22	SS
P7	Annotation Update	AM	08.09.22	SS
P6	Level 2 height confirmed	AM	19.05.22	SS
P5	S.E. Co-ordination Issue	AM	09.05.22	SS
P4	Drawing Update	AM	19.04.22	SS
P3	Coordinated V4 Tender Issue	AR	14.03.22	SS
P2	Updated following SE model	BE	NY1	
P1	Tender Issue	BE	05.01.22	SS
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

GA Sections as Proposed

Status Purpose of Issue

B PARTIALLY SIGNED-OFF

Drawn by BE Created 20.08.21

C4 Job no. 21077 Scale 1 : 100 @ A1

Drg no. 21077-C4P-V4-ZZ-DR-A-2201 Rev C02