

**NOTES**  
All dimensions and levels to be checked on site

Any discrepancies are to be reported to the Architect before any work commences

This drawing shall not be scaled to ascertain any dimensions, work to figured dimensions only

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**SOFTWARE INTEROPERABILITY**  
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|     |          |     |                                                      |
|-----|----------|-----|------------------------------------------------------|
| P 4 | 12.08.25 | A2S | Substation location updated.                         |
| P 3 | 27.09.24 | PW  | General Update, 50mm Cavity added to External Walls. |
| P 2 | 10.04.24 | PW  | Substation size increased +1000mm.                   |
| P 1 | 30.11.23 | PW  | First Issue                                          |

| rev | date | rev by | description |
|-----|------|--------|-------------|
| no. |      |        |             |

project  
**Nelson Street Sub Station**

location  
**Manchester Royal Infirmary**  
Employer

**EQUANS**

client  
**AC Electrical (North) Ltd**

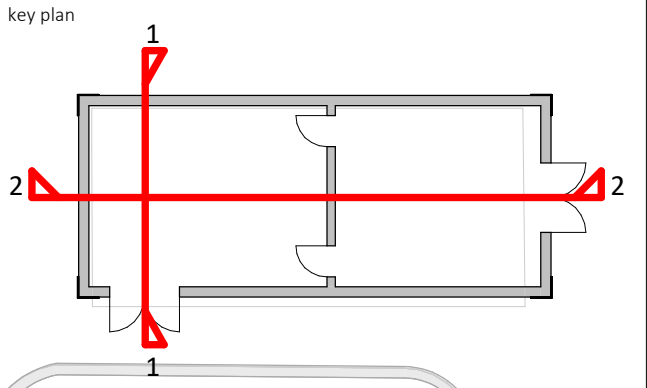
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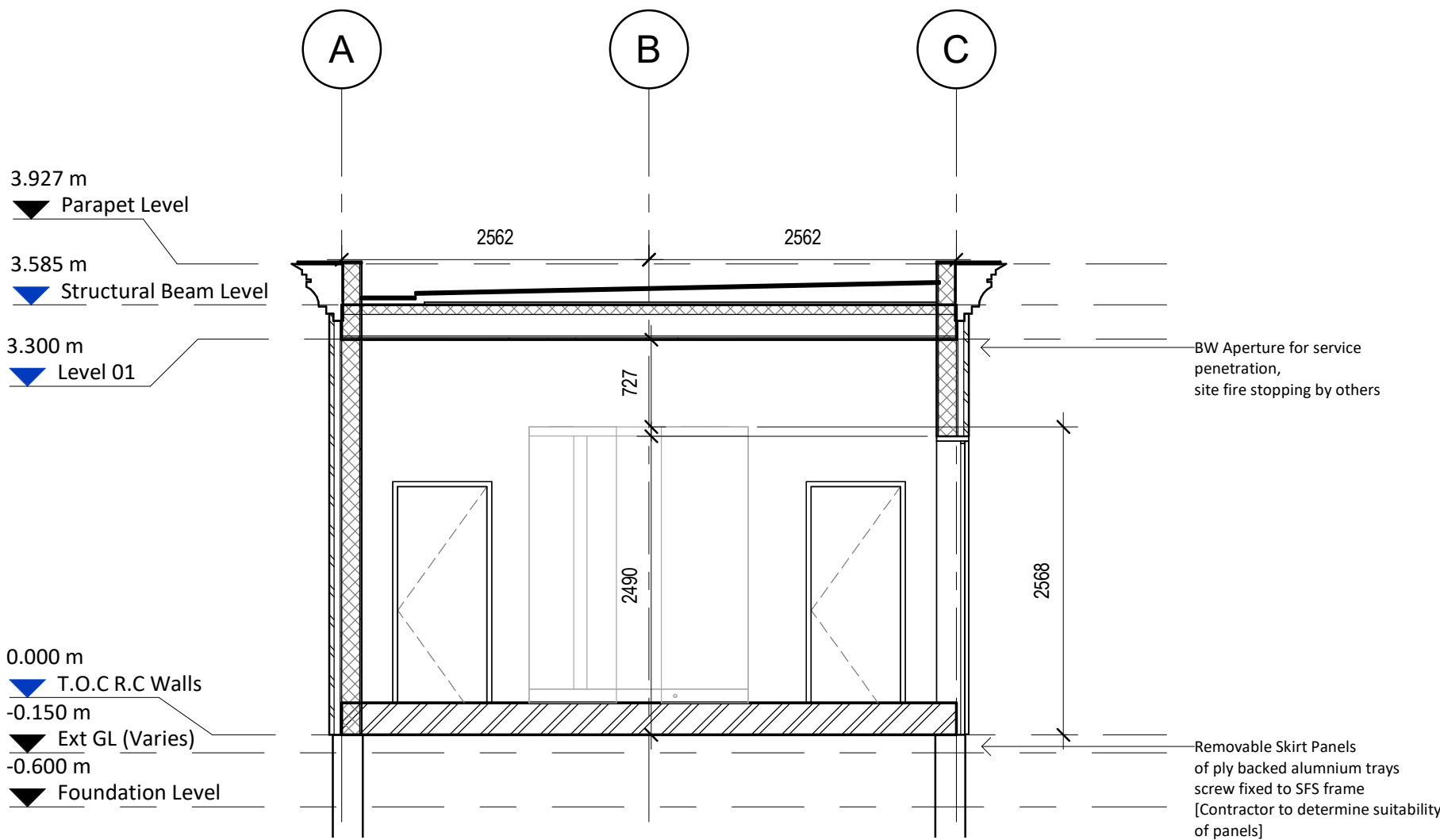
drawing title  
**Proposed Sections**

|                |            |          |            |
|----------------|------------|----------|------------|
| AFL job number | scale @ A2 | drawn PW | checked MM |
| 233145         |            | rev date | 12.08.25   |

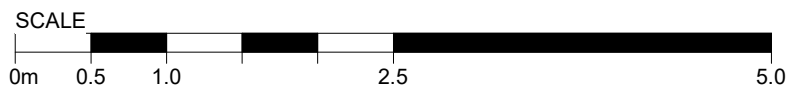
|                    |           |           |
|--------------------|-----------|-----------|
| dwg purpose        | status    | rev       |
| <b>Information</b> | <b>S2</b> | <b>P4</b> |

Model Reference

|                                 |        |      |       |      |      |             |
|---------------------------------|--------|------|-------|------|------|-------------|
| bim project                     | origin | zone | level | type | role | 5-digit no. |
| <b>NSS-AFL-XX-00-DR-A-20102</b> |        |      |       |      |      |             |



**Section 1**  
1 : 50



Internal structural ceiling height - 3292mm

**External walls:**

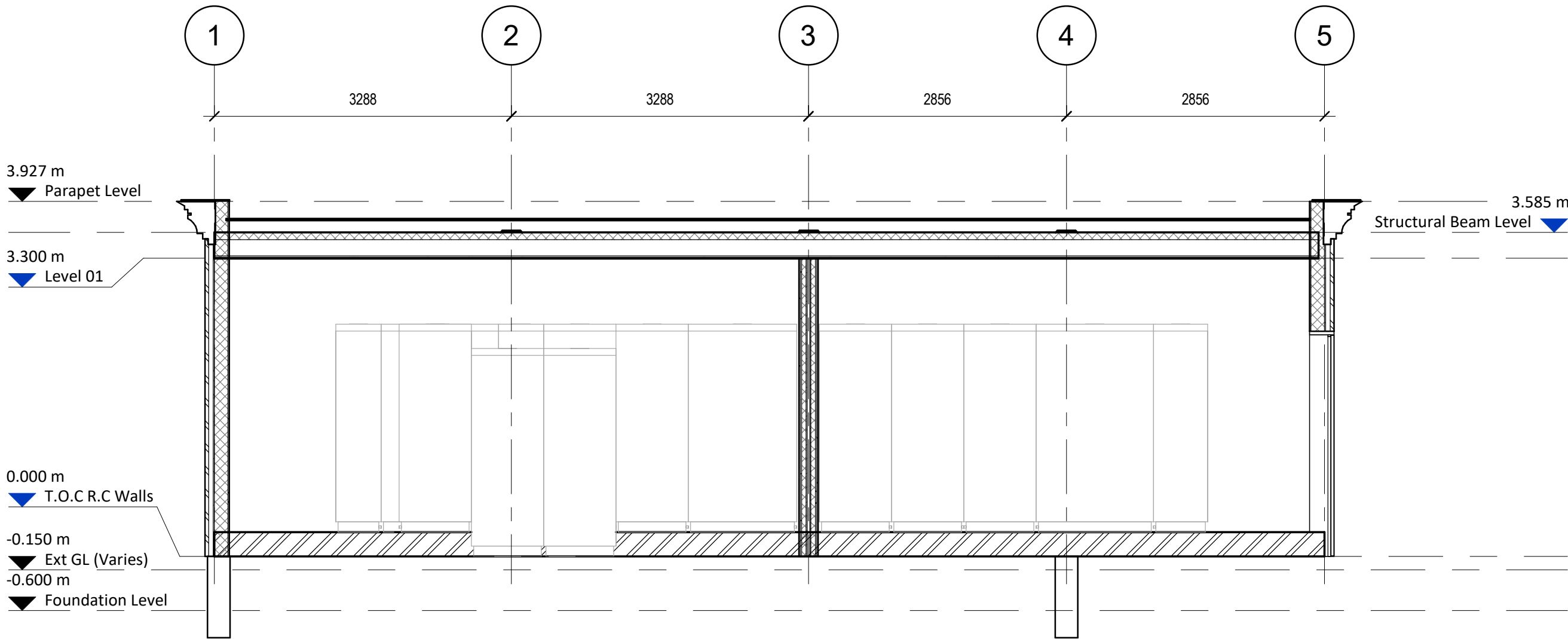
- Eurobrick insulated brick slip cladding system - fixed to external structural wall panels screw-fixed within steel space frames comprising EOS SFS lightweight frames.
- 50mm cavity
- External lined with Siniat Weather Defence sheathing board, screw-fixed with GTEC wet area 3.5mm x 38mm self-drilling screws min. 300mm cts., bonded with panel adhesive & jointed with GTEC fire-rated silicon sealant, to 150x45x1.2mm galv steel wall studs at 600mm cts. fabricated within modular steel frame.
- Superglass 035 (A1 non-combustible) 160mm mineral wool insulation to be installed within cavity & taken up to underside of ceiling with minimum conductivity of 0.035w/mk. wall offset 28mm panel bottom overhand 25mm.
- **External walls to achieve one hour fire resistance and reaction to fire euroclass A2-S1,D0 to EN 13501-1:2007+A1:2009**

**Internal lining:**

- 15mm Siniat Vapour Board with tapered edge, drylined joints & diamond matt paint finish fixed to steel external wall studs with 50mm self-drilling drywall screws over Visqueen VCL with taped joints, wall VCL to be lapped with ceiling VCL.

**Floors:**

- **Uninsulated floor of 8mm durbar floor plate spot welded to steel floor cassette comprising 250x65x15x2mm galvanised I-TLC floor joists notched & welded to 260x90mm x 28kg PFC floor edge beams, floor deck to be set back on edge beams with infill section screw fixed to module joints.**
- **Removable floor panels.**



**Section 2**  
1 : 50

