

Legislation, Standards, Materials, Workmanship and Health & Safety

All construction work to be in accordance with current Building Regulations, relevant British Standards and all other relevant legislation. Materials should comply with the appropriate British Standard or British Board Agreement Certificate. Materials should be marked, stamped, independently certified or otherwise justified by test or calculation to show their suitability. Workmanship should generally be in accordance with the BS 8000 series of documents and other accepted good practice (e.g. quality assured to ISO 9000). The work must include the co-ordination and management of all health and safety issues during the construction work and the fulfilment of all duties required of a Contractor under the CDM Regulations. Figured dimensions take preference over scaled dimensions. The Contractor is responsible for checking all figured dimensions on drawings against actual dimensions on site. This drawing is the copyright of the Architects and must not be used or reproduced without permission.

Commercial clients CDM Regulations 2015

For all project, commercial client must make suitable arrangements for managing their project, enabling those carrying it out to manage health and safety risks in a proportionate way. These arrangements include:
 appointing the contractors and designers to the project (including the principal designer and principal contractor on projects involving more than one contractor) while making sure they have the skills, knowledge, experience and organisational capability, allowing sufficient time and resources for each stage of the project, making sure that any principal designer and principal contractor appointed carry out their duties in managing the project, making sure suitable welfare facilities are provided for the duration of the project, maintain and review the management arrangements for the duration of the project, provide pre-construction information to every designer and contractor either bidding for the work or already appointed to the project ensure that the principal contractor or contractor (for single contractor projects) prepares a construction phase plan before that phase begins and ensure that the principal designer prepares a health and safety file for the project and that it is revised as necessary and made available to anyone who needs it for subsequent work at the site.
 For notifiable projects (where planned construction work will last longer than 30 working days and involves more than 20 workers at any one time, or where the work exceeds 500 individual worker days), commercial clients must notify HSE in writing with details of the project and ensure a copy of the notification is displayed in the construction site office.

Non Load-bearing Internal Partition Walls

(125mm stud wall width): Single layer of 12.5mm thick Gyproc acoustic SoundBloc plasterboard or similar on both sides.
 12mm Plywood on one side where indicated on the drawing as pattsess to wall hung equipment. 92mm Gyproc Acoustuds at 600mm c/s with sole and head plates and intermediate horizontal nogging at 1/3 height c/s with 25mm Isover APR1200 insulation within the cavity to give fire integrity of 30minutes. BS 476:Part 22:1987. Provide additional timber studs at door openings.
 In all cases apply 3mm skim coat of plaster on both sides to achieve a seamless finish ready for decorations.
 Note all other width stud walls to have similar treatment and studs sizes to match that particular wall as shown on the drawing.

Ceilings

Ceiling to be Ultima+ dB suspended ceiling system (Armstrong ceiling Ltd) or similar (see drawings). Ceiling should meet the fire resistance requirements given in ADB1, Table B3. All electrical cables to be laid above the ceiling, ceiling to be accordance BS EN 13964 Suspended ceiling and requirements and test methods.
 Armstrong DGS suspended system with 15mm plasterboard + skim finish to mobility wc

External Doors/Screen

External door and screen to be Polyester powder-coated aluminium framed double glazed panels to comply with part K4 of the A.D, glazing to be sealed double glazed unit with a min. 16mm air space filled with argon gas to give a 'U' value of 1.4W/sqmK. Door/screen to have rapid ventilation minimum 1/20th of the floor area background ventilation to be 5000cc/m.
 Note: glazing in critical areas to have safe breakage in accordance with BS 6206 : 1981
 Note : Door/screen to mobility water closet to be polyester powder-coated aluminium framed with spricial panels from specialist

Ventilation

Rooms to be naturally ventilated. Additional MHVR extract ventilation system to be fitted to mobility toilet in accordance with AD F table 1.1 BB 101 Ventilation of School Buildings.
 Refer to M&E Engineers detailed specification and performance requirements.
 Commissioning of the ventilation systems will be required on complete and certificates issued to Building Control. (F1)

Electrical Installation

All new electrical works will be designed, installed, inspected and tested in accordance with BS 7671:2018 incorporating Amendment No 1:2011. Sufficient information should be provided to ensure that people can operate, maintain or alter an electrical installation with reasonable safety. The information should comprise of the items listed in BS 7671 and other appropriate information.
 All notifiable electrical installation work must be certified, either by an installer registered under a suitable self-certification scheme a registered third-party certifier or by a building control body. To verify that the design and installation of electrical work is adequate, and the installations will be safe to use, maintain and alter, the electrical work should be inspected and tested in accordance with the procedures in BS 7671.
 (Refer Part P of the building regulations document for further information)

Lighting

To be in accordance with BS 90 Lighting Design for Schools. Provide 100% low energy light fittings (fixed lights or lighting units). Low energy light fittings should have lamps with a luminous efficacy greater than 45 lamp lumens per circuit-watt and a total output greater than 400 lamp lumens. Light fittings whose supplied power is less than 5 circuit-watts are excluded from the overall count of the total number of light fittings.

Fire Warning system:

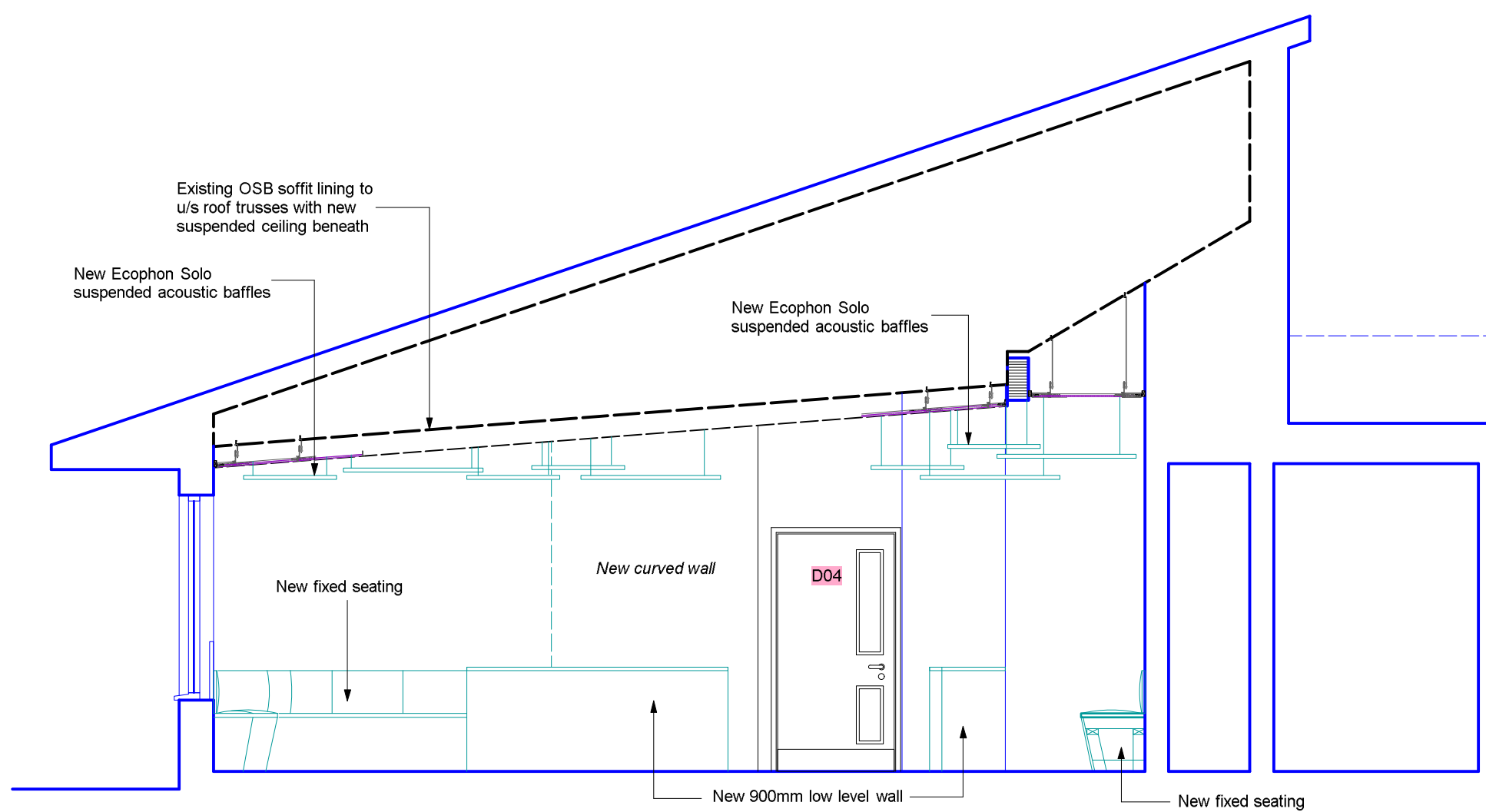
To be in accordance with BS 100 Designing and Managing against the Risk of Fire in schools. Wireless automatic Fire Alarm and detection System to BS 5839-1:2017 Code of practice for the design, installation and maintenance of the fire detection and fire alarm systems. Certificates to be provided and issued to LABC upon completion.
 The installation incorporates smoke and heat detectors and cables should conform to the relevant British Standard. The fire warning system should be tested and maintained on a regular basis. Escape signage should be compliant with BS 5499-1:2002.
 Certification for new emergency escape lighting systems will be required upon completion and should be designed and installed to BS 5266-1.

Emergency lighting to be designed in accordance with BS 5266 part 1, 2016

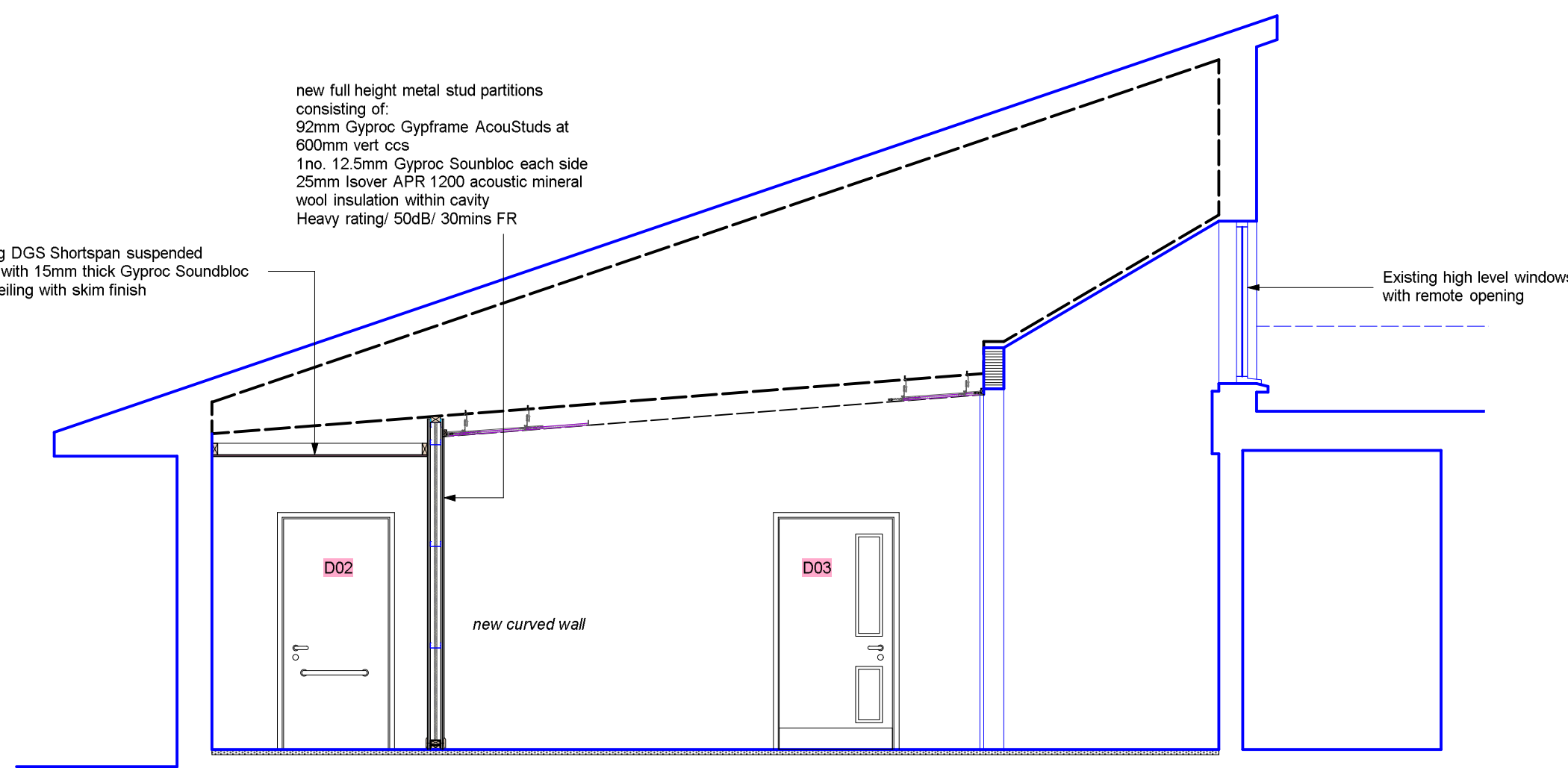
Fire Precautions Health and Safety:

Signage to highlight emergency escape route is required to comply to the health and Safety (Safety Signs & Signals) Regulation 1996 (Signs to BS-499 Part 1 1990 are equally acceptable). Signs should have pictogram, running man, arrow and words 'FIRE EXIT' background to be green and text white. Signs provided to indicate exit doors shall be sited above the door.
 All external doors shall have signs indicating 'Fire Door Keep Clear' Situated at about eye level on the outside of the door.

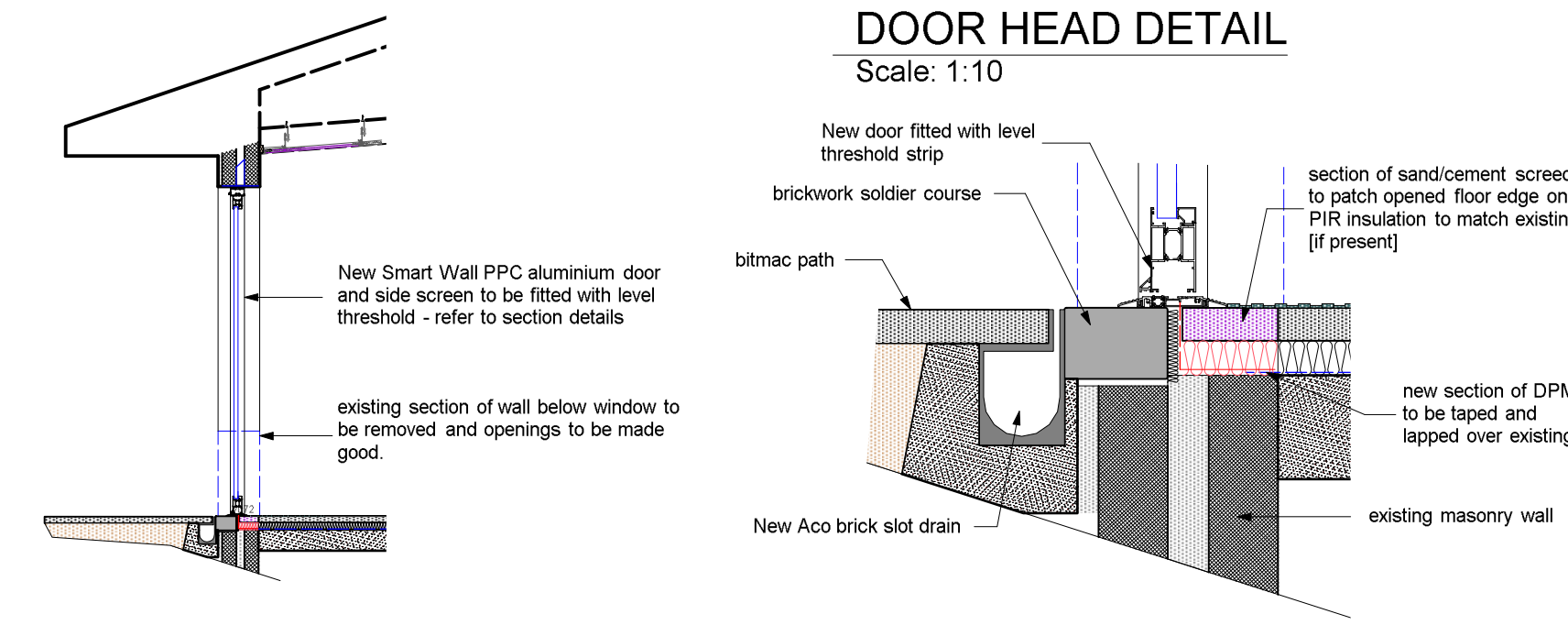
Smoke Alarms
 The building to be provided with mains operated smoke alarms, wired to a separately fixed circuit at the distribution board to IEE Regulations. The smoke alarms shall be fitted in accordance with BS 5839-1:2017 - 'C' 'FIRE DETECTION AND ALARM SYSTEMS FOR BUILDINGS'



[SECTION A AS PROPOSED]
 Scale: 1:50

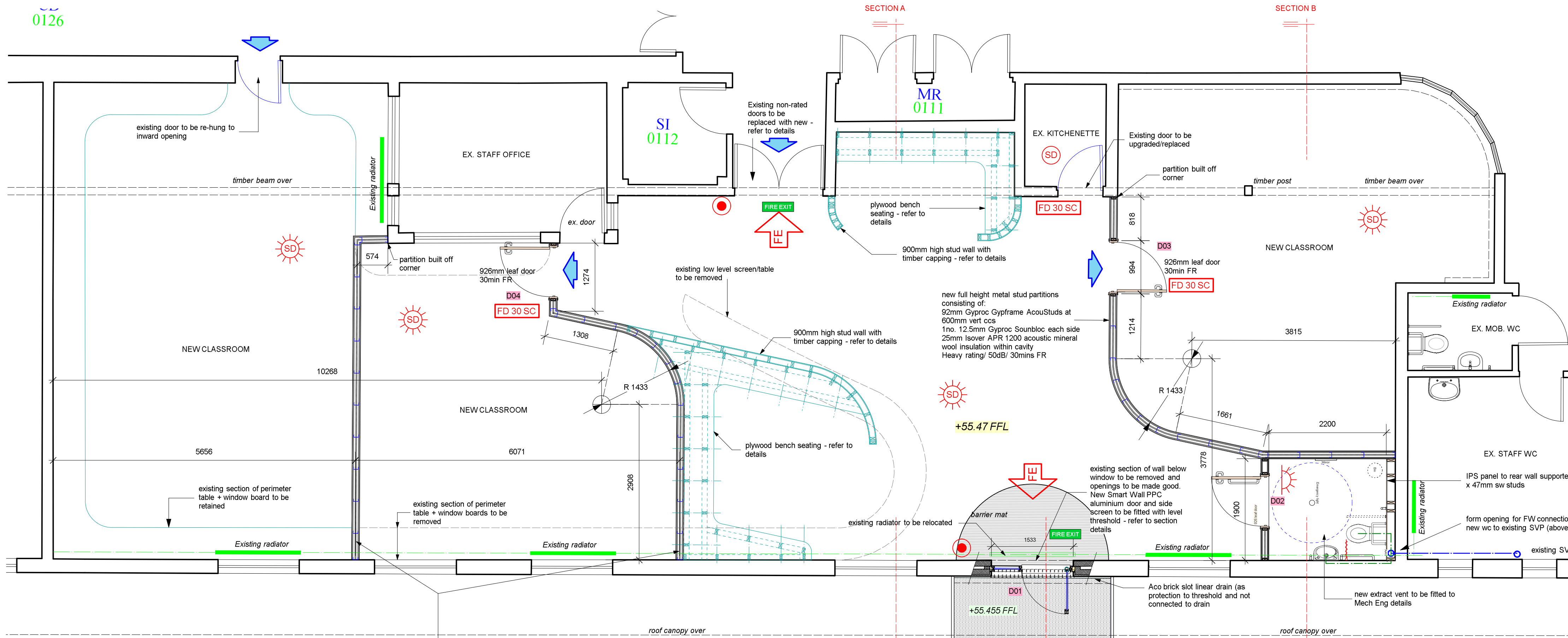


[SECTION B AS PROPOSED]
 Scale: 1:50



[PART SECTION C AS PROPOSED]
 Scale: 1:50

DOOR THRESHOLD DETAIL
 Scale: 1:10



[GROUND FLOOR PLAN AS PROPOSED]
 Scale: 1:50

FIRE STRATEGY LEGEND

- All new partitions to be 30 minute F
- Fire Escape Final Exit
- 30 minute FR Door (self-closing)
- Fire Alarm Smoke Detector/sounder /strobe
- Fire Alarm/Smoke Detector
- Fire Alarm manual call point
- Beacon/Sounder

B	02.24	Existing double doorset to be replaced.	jlc
A	02.24	Notes added.	jlc



**PAIGNTON ACADEMY
 NEW STEPS ENHANCED
 PROVISION -
 BLOCK D**

**PROPOSED PLAN
 SECTIONS + DETAILS**

BUILDING REGULATIONS

3994.BR.D.AL.02 B A1

1:50/10 Feb 2023 JLC



MTA Chartered Architects Ltd. 52 Fore Street Brixham Devon TQ5 8DZ
 e-mail: enquiries@mtaarchitects.co.uk
 www: www.mtaarchitects.co.uk

PAIGNTON ACADEMY STEPS ENHANCED PROVISION

