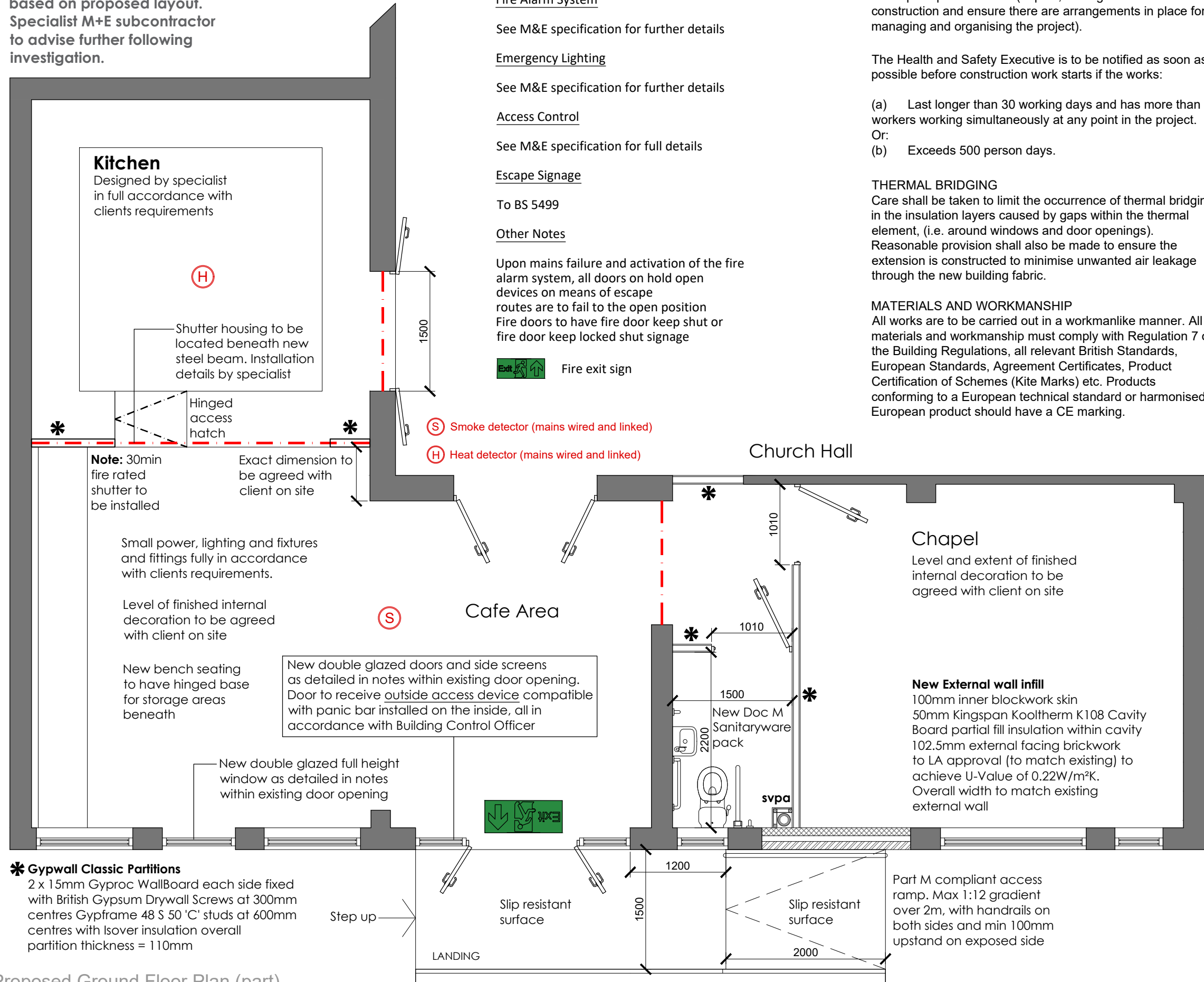


Contractor to assess suitability of retaining existing light fittings smoke detection and heating based on proposed layout. Specialist M+E subcontractor to advise further following investigation.



Fire Safety Specification:

NOTE: All fire signage shown is indicative only, M&E Sub-contractor is responsible for design and installation to accord with BS 5266-1:1999 and to the satisfaction of the Building Control Officer and Local Fire Service

Fire Alarm System

See M&E specification for further details

Emergency Lighting

See M&E specification for further details

Access Control

See M&E specification for full details

Escape Signage

To BS 5499

Other Notes

Upon mains failure and activation of the fire alarm system, all doors on hold open devices on means of escape routes are to fail to the open position
Fire doors to have fire door keep shut or fire door keep locked shut signage



Building Regulation Notes

CDM REGULATIONS 2015

The client must abide by the Construction Design and Management Regulations 2015. The client must appoint a contractor, if more than one contractor is to be involved, the client will need to appoint (in writing) a principal designer (to plan, manage and coordinate the planning and design work) and a principal contractor (to plan, manage and coordinate the construction and ensure there are arrangements in place for managing and organising the project).

The Health and Safety Executive is to be notified as soon as possible before construction work starts if the works:

- (a) Last longer than 30 working days and has more than 20 workers working simultaneously at any point in the project.
- Or:
- (b) Exceeds 500 person days.

THERMAL BRIDGING

Care shall be taken to limit the occurrence of thermal bridging in the insulation layers caused by gaps within the thermal element, (i.e. around windows and door openings). Reasonable provision shall also be made to ensure the extension is constructed to minimise unwanted air leakage through the new building fabric.

MATERIALS AND WORKMANSHIP

All works are to be carried out in a workmanlike manner. All materials and workmanship must comply with Regulation 7 of the Building Regulations, all relevant British Standards, European Standards, Agreement Certificates, Product Certification of Schemes (Kite Marks) etc. Products conforming to a European technical standard or harmonised European product should have a CE marking.

SITE PREPARATION

Ground to be prepared for new works by removing all unsuitable material, vegetable matter and tree or shrub roots to a suitable depth to prevent future growth. Seal up, cap off, disconnect and remove existing redundant services as necessary. Reasonable precautions must also be taken to avoid danger to health and safety caused by contaminants and ground gases e.g. landfill gases, radon, vapours etc. on or in the ground covered, or to be covered by the building.

EXISTING STRUCTURE

Existing structure including foundations, beams, walls and lintels carrying new and altered loads are to be exposed and checked for adequacy prior to commencement of work and as required by the Building Control Officer.

Partial Fill Cavity Wall

To achieve minimum U Value of 0.24W/m²K
New cavity wall to comprise brickwork outer leaf and Medium density (0.51) inner block leaf
Partial fill 50mm Kingspan Kooltherm K108 insulation. Internal finish to be 13mm plaster finish.
Walls to be built with 1:1.6 cement mortar.

WALL TIES

All walls constructed using stainless steel vertical twist type retaining wall ties built in at 750mm ctrs horizontally, 450mm vertically and 225mm ctrs at reveals and corners in staggered rows. Wall ties to be suitable for cavity width and in accordance with BS 5628-6.1: 1996 and BS EN 845-1: 2003

CAVITIES

Provide cavity trays over openings. All cavities to be closed at eaves and around openings using Thermabate or similar non combustible insulated cavity closers. Provide vertical DPCs around openings and abutments. All cavity trays must have 150mm upstands and suitable cavity weep holes (min 2) at max 900mm centres.

EXISTING TO NEW WALL

Cavities in new wall to be made continuous with existing where possible to ensure continuous weather break. If a continuous cavity cannot be achieved, where new walls abuts the existing walls provide a movement joint with vertical DPC. All tied into existing construction with suitable proprietary stainless steel profiles.

Rev Date Note

Revisions

Client:

St Clements Church

Project:

St Clements Church, Green Lane, Castle Bromwich, B36 0BA

Drawing title:

Proposed Ground Floor Plan (part)

Drawing number:

SK151-201

Revision:

C

Date:

Jan 2021

Scale:

1:50@A3



Justin M Jones RIBA
Chartered Architect
116 Gillway Lane
Tamworth
Staffordshire
B79 8PW
T: 07872 688728
Justin@jmmjarchitecture.com
www.JMJArchitecture.com

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