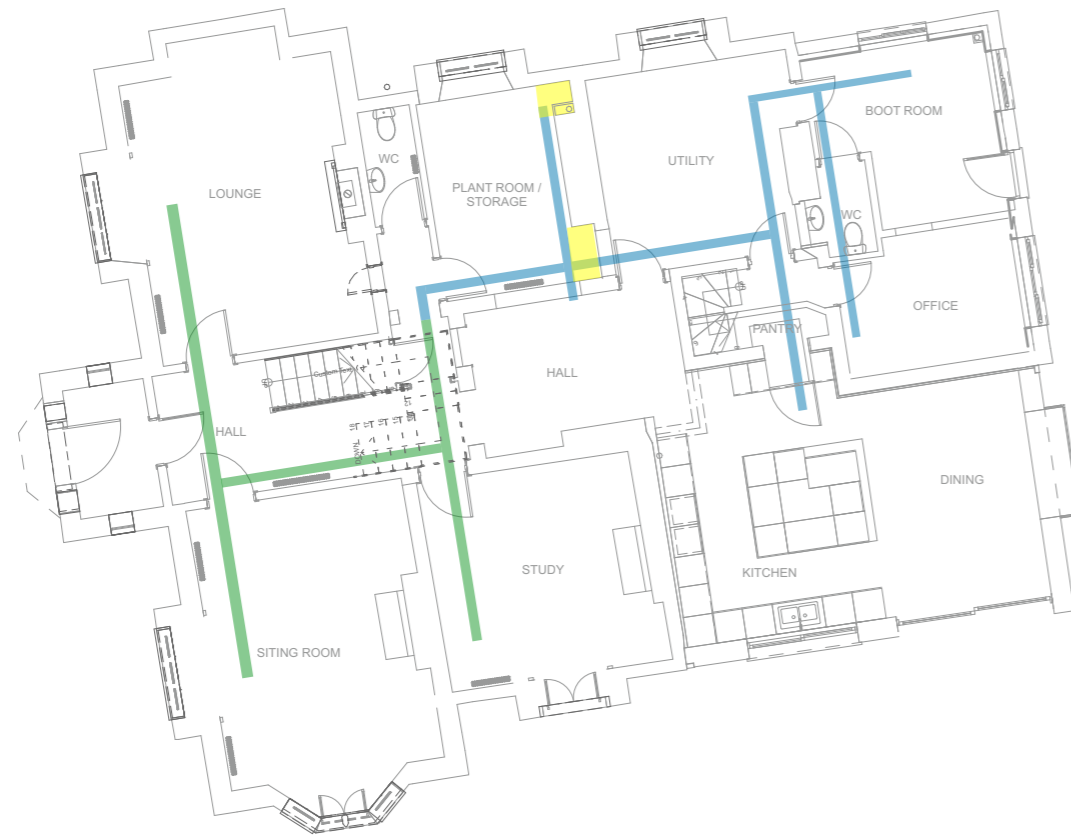


KEY, nts

- Approximate service routes within suspended timber floors
- Approximate service routes within new solid floor construction
- Approximate position of service riser locations



0. **Ground Floor** 1:150

WHEN CONSIDERING ROUTES FOR SERVICES THE FOLLOWING PRINCIPALS WILL BE ADOPTED

- reusing of existing services' routes where possible
- routing through voids under floors or above ceilings where possible
- sharing common routes with other services
- consideration is to be given to allowing spare capacity in (new) service routes for future works to avoid future disruption
- carrying out the minimum amount of work that would disturb existing fabric and, where this is necessary, re-using as much as possible of the existing fabric as is appropriate and practical
- avoiding new destructive chasing or cutting a groove into a surface to install cables or pipes
- ensuring services will not cover up, damage or interrupt views of important building features and surfaces or create dirt traps or staining patterns from heat and air movement.

Where electrical work in visually sensitive areas is unavoidable, its impact will be minimised by 'miniaturisation', concealment or disguise e.g. along the top of picture rails.

New equipment and electrical accessories (socket outlets, lighting switches and so on) located in as discrete positions as possible while maximising utility and effectiveness.

The impact of the proposed installation will be minimised by carrying out the minimum amount of work that would disturb existing fabric e.g. shortening cable run.

The proposals will include for new low level electrical sockets. Services routes for these will be within floor voids and sockets will be positioned just above skirting height. This will allow cables to be concealed behind skirtings, minimising chasing to plaster finishes whilst still achieving a concealed installation

HOLES, RECESSES AND CHASES IN MASONRY

Locations: To maintain integrity of strength, stability and sound resistance of construction. Not to pass through any historic features or dressed stone including reveals, surrounds, cills and thresholds.

Sizes: Minimum needed to accommodate services.

- Vertical chases: No deeper than one third of single leaf thickness, excluding finishes.
- Horizontal or raking chases: No longer than 1 m. No deeper than one sixth of the single leaf thickness, excluding finishes.

NOTCHES AND HOLES IN TIMBER TO MAINTAIN ARE TO BE MINIMISED AND UNDERTAKEN IN SUCH A WAY AS TO PRESERVE THEIR INTEGRITY

General: Avoid if possible.

Sizes: Minimum needed to accommodate services.

Position: Not to be located near knots or other defects.

Notches and holes in same joist: Minimum 100 mm apart horizontally. Notches in joists: Locate at top. Form by sawing down to a drilled hole.

- Depth (maximum): 0.125 x joist depth.
- Distance from supports: Between 0.07 and 0.25 x span.
- Holes in joists: To be located on neutral axis.
- Diameter (maximum): 0.25 x joist depth.
- Centres (minimum): 3 x diameter of largest hole.
- Distance from supports: Between 0.25 and 0.4 of span.



1. **First Floor** 1:150

Table of revisions. WIP denotes 'work in progress'

Rev	Ch ID	Description	Date
A	Ch-02	First Issue	22/12/2023

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Drawing title:
Proposed Electrical Services Strategy

Drawing number: 2342 6201	Revision: A
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For use up to and not beyond RIBA stage:

3 Spatial Co-ordination

Drawing scale(s) 1:150 @ A3	originator mr	checked mr
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file: /Volumes/01 Project (2014-)/2023 Projects/2342 Old Vicarage, Woodbury Salterton/04 Design Data/2342-hmad-M5-A-Stage 3 proposals.pln