



KEY, nts

- Approximate positions of proposed central heating radiators (sizes indicative only)
- Approximate service routes of heating pipes within suspended timber floors
- Approximate service routes of heating pipes within new solid floor construction
- Approximate areas of underfloor heating within new floor construction replacing existing modern concrete floor slabs
- Approximate position of service riser locations

WHEN CONSIDERING ROUTES FOR SERVICES THE FOLLOWING PRINCIPALS WILL BE ADOPTED

- re-using 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
- routing pipework, controls or cabling through buildings in ways reducing the impact on historic fabric recognising that this may not result in the shortest or the most direct
- 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.

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.

0. **Ground Floor** 1:150



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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Project: The Old Vicarage, Woodbury Salterton. EX5 1PG
for D Wright & M Wright

Drawing title: **Proposed Heating Strategy**

Drawing number: **2342 5601** Revision: **A**

For use up to and not beyond RIBA stage:

3 Spatial Co-ordination

Drawing scale(s)	originator	checked
1:150 @ A3	mr	mr