

TRADA (The Timber Research and Development Association) and BS5268-2 guidance on how large holes and notches can be cut out of standard floor joists, and still remain within safe working limits.

Refer to TRADA and the Bristish Standards for complete information.

- Notches and holes in simply supported floor and ceiling joists should be within the following limits:
- Notches should be not deeper than 0.125 times the depth of a joist and should not be cut closer to the support than 0.07 of the span, nor further away than 0.25 times the span.
 - Holes should have a diameter not greater than 0.25 times the depth of a joist and should be drilled at the joist centreline. They should be not less than 3 diameters (centre to centre) apart and should be located between 0.25 and 0.4 times the span from the support.

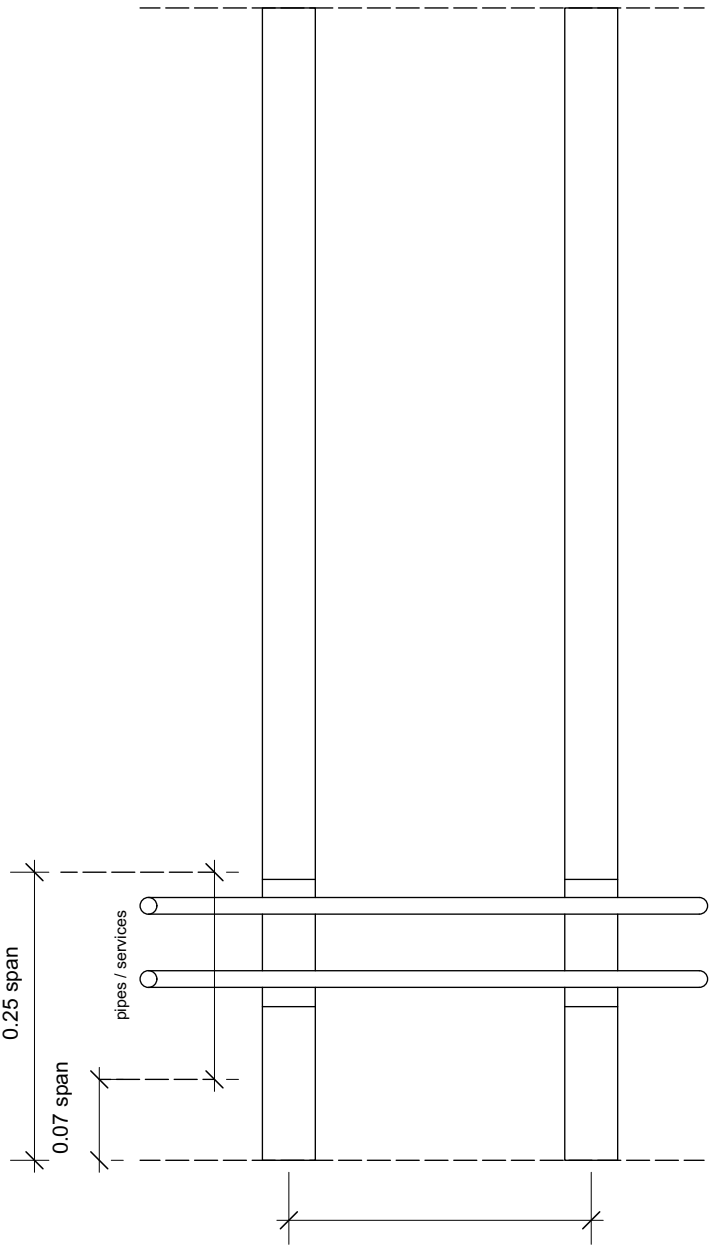
Elevation of typical joist
Scale: 1:10

PLUMBING METHODOLOGY

1. *USE EXISTING WASTE RUNS WHERE POSSIBLE* - no water based location has changed usage so it will be simple to reuse existing waste runs to prevent any damage to the existing property from waste pipe runs
2. *MANIPULATION* - any minor alterations within water based areas will be placed into internal false walls that we are creating to sit in front of the existing fabric
3. *ACROSS FLOORS* - floor joists have adequate width to run new piping within the spaces between them. Where joists have to be crossed, we will as a first principle try and use existing notches. Where this is not possible in a few selective positions then we may require a small 20mm hole to be drilled to allow for the pipe run to occur.
4. *BETWEEN FLOORS* - False wall build outs have been designed and shown on the plan to create riser positions between floors to allow easy movement of pipes and cables to minimise disruption to the original structure

ELECTRICS METHODOLOGY

1. *ACROSS FLOORS* - floor joists have adequate width to run new cables within the spaces between them. Where joists have to be crossed, we will as a first principle try and use existing notches. Where this is not possible in a few selective positions then we may require a small 20mm hole to be drilled to allow for the cable run to occur.
2. *BETWEEN FLOORS* - False wall build outs have been designed and shown on the plan to create riser positions between floors to allow easy movement of pipes and cables to minimise disruption to the original structure



Plan of typical joist
Scale: 1:10

GENERAL NOTES

- Responsibility is not accepted for errors made by others in scaling from this drawing
- Figured dimensions MUST be checked on site site by the contractor at the outset of building work and discrepancies reported immediately to the architect / contract administrator or client as appropriate
- Responsibility will not be accepted for work started before relevant statutory approvals are in place
- Check this drawing is the latest revision before starting work: If in doubt or additional clarification is needed - ASK
- The Thinking Hand Studio Ltd retain copyright for their design work

JOB
18 Grove Terrace NW5 1PH

Title
Proposed Service Runs Details

Dwg.
1439 D005

Rev.

Date
18.01.21

Scale
1:10 @ A3

TTHS ARCHITECTS

e: info@thethinkinghandstudio.com
www.tthsarchitects.com