

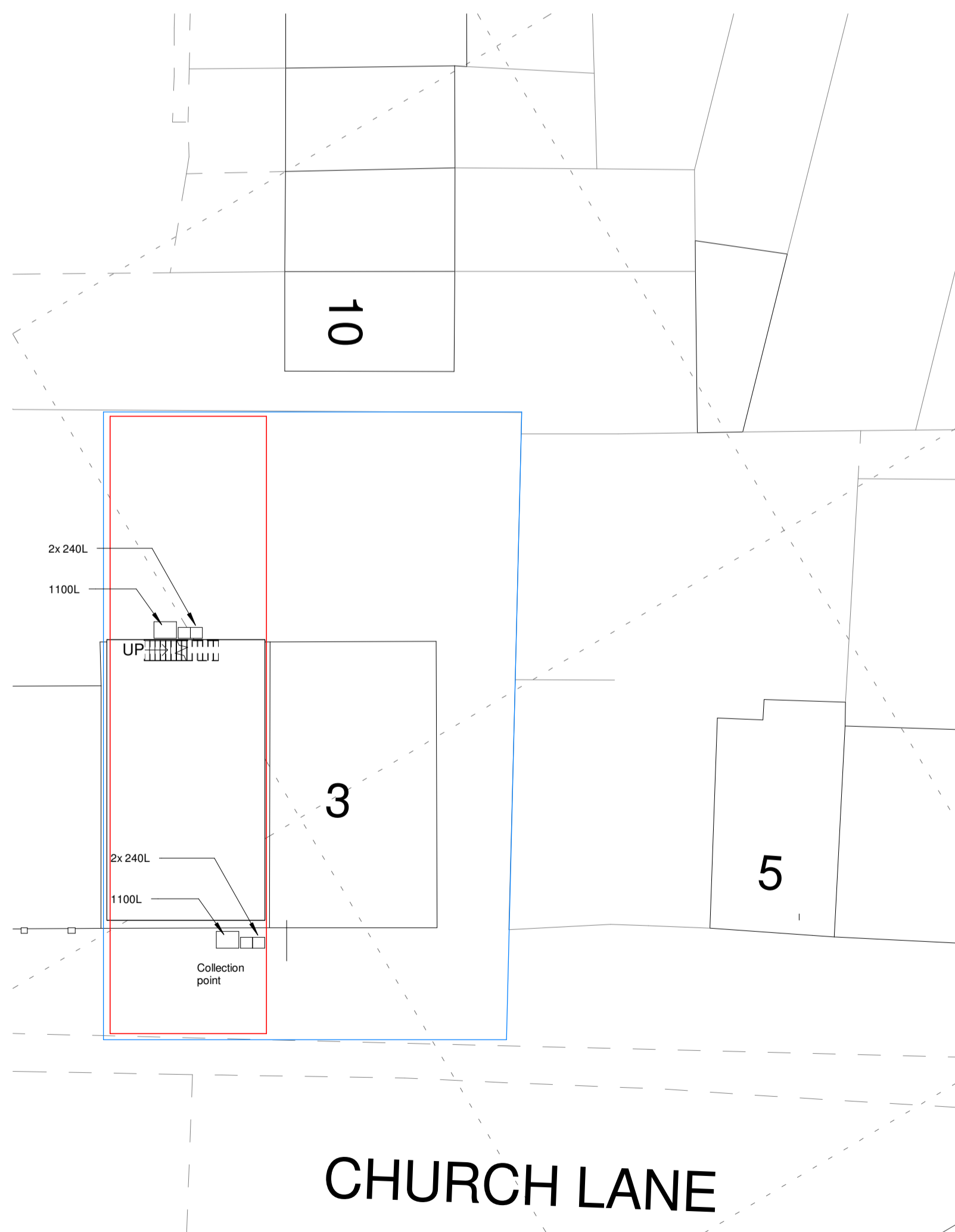
Level 1  
2760

**1 Staircase Section**  
1 : 10

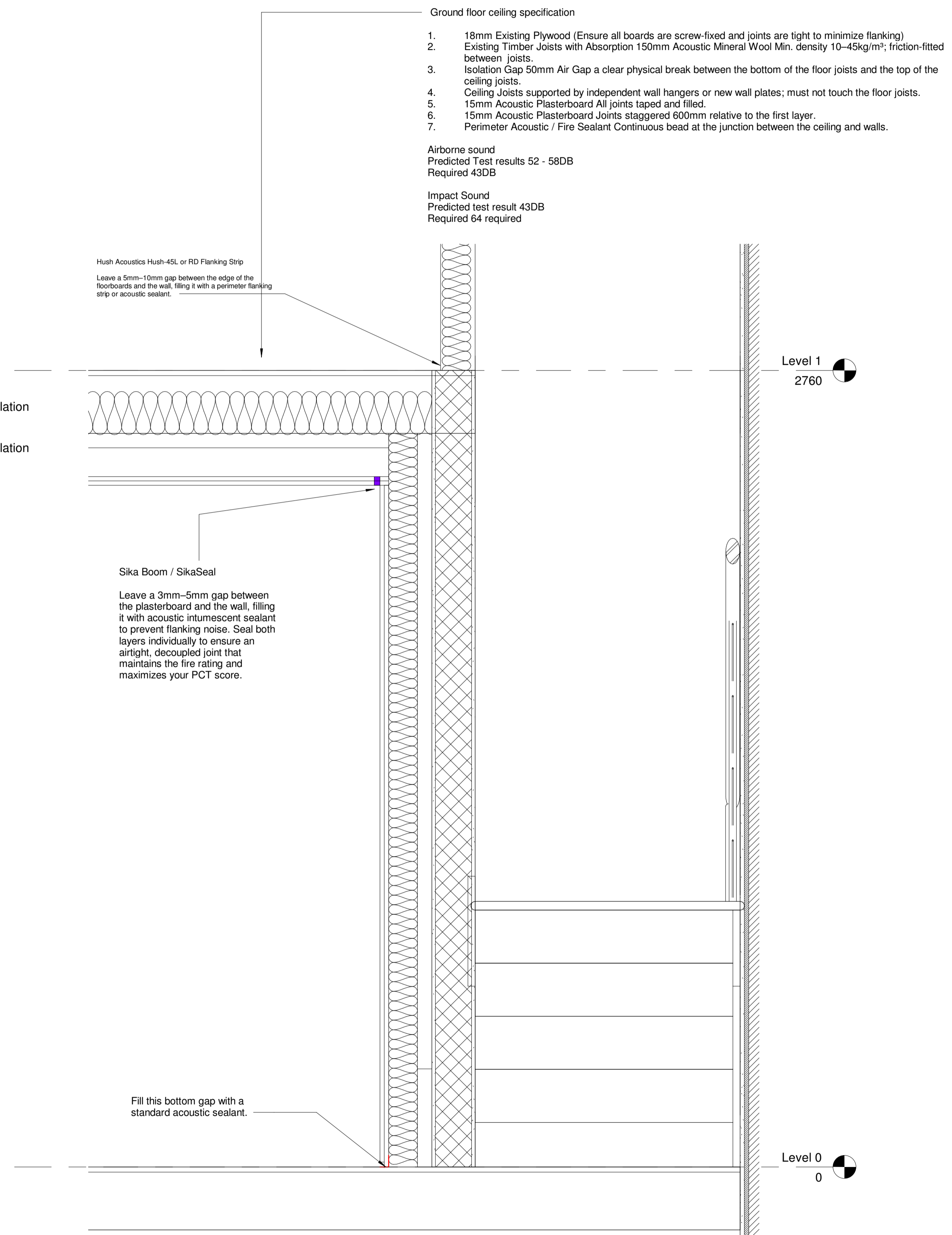
6mm Isorubber Base

Party Wall Construction 2

1. 100mm Acoustic high density insulation between 100mm timber stud
2. 50mm air gap
3. 100mm Acoustic high density insulation between 100mm timber stud
4. 2 x Blue Acoustic plaster board



**3 Site Plan**  
1 : 200



Ground floor ceiling specification

1. 18mm Existing Plywood (Ensure all boards are screw-fixed and joints are tight to minimize flanking)
2. Existing Timber Joists with Absorption 150mm Acoustic Mineral Wool Min. density 10-45kg/m<sup>3</sup>; friction-fitted between joists.
3. Isolation Gap 50mm Air Gap a clear physical break between the bottom of the floor joists and the top of the ceiling joists.
4. Ceiling Joists supported by independent wall hangers or new wall plates; must not touch the floor joists.
5. 15mm Acoustic Plasterboard All joints taped and filled.
6. 15mm Acoustic Plasterboard Joints staggered 600mm relative to the first layer.
7. Perimeter Acoustic / Fire Sealant Continuous bead at the junction between the ceiling and walls.

Airborne sound  
Predicted Test results 52 - 58DB  
Required 43DB

Impact Sound  
Predicted test result 43DB  
Required 64 required

Hush Acoustics Hush-45L or RD Flanking Strip  
Leave a 5mm-10mm gap between the edge of the floorboards and the wall, filling it with a perimeter flanking strip or acoustic sealant.

Sika Boom / SikaSeal  
Leave a 3mm-5mm gap between the plasterboard and the wall, filling it with acoustic intumescent sealant to prevent flanking noise. Seal both layers individually to ensure an airtight, decoupled joint that maintains the fire rating and maximizes your PCT score.

Fill this bottom gap with a standard acoustic sealant.

Level 1  
2760

Level 0  
0

**2 Ground floor detail**  
1 : 10



Location Plan  
The contractor must verify all dimensions on site before commencing any work or fabrication drawings. If this drawing exceeds the quantities taken in any way Unite Designs are to be informed before the work is initiated. Only figured dimensions are to be taken from this drawing. Do not scale off this drawing. Drawings are based on Ordnance Survey and / or existing record drawings - design and drawing content is subject to detailed Site Survey, Structural Survey, Site Investigations, Planning and Statutory Requirements and Approvals. Authorised reproduction from Ordnance Survey Map with permission of the Controller of Her Majesty's Stationery Office Crown Copyright reserved. Unite Designs Copyright.

Drawing Notes:

Rev.	Description	Revised By:	Issue Date:

Project:  
**1 Church Lane**

Drawing  
**Details**

Scale: As indicated@A1 Original Issue Date:  
Original Drawn Author Original Checked Checker

Drawing UD-613 Revision:

Reason For Issue:  
**Planning**

**Unite Designs**  
T: 07858606182  
Mannan\_j@hotmail.co.uk