

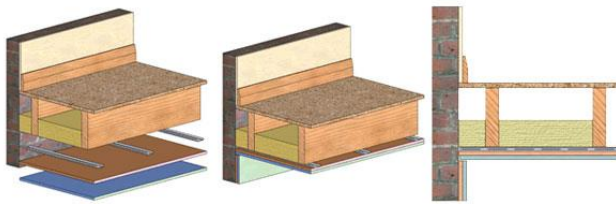
# **SPECIFICATION FOR THE SEPARATING WALLS, FLOORS & STEELS**

**283 Grays Inn Road, WC1**

**12<sup>th</sup> March 2020**

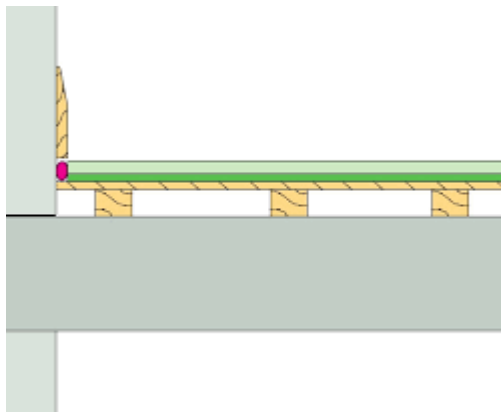
### **Proposed Sub Floor**

1. Between Joists 100mm mineral wool 45kg/m<sup>3</sup> rigid slabs to be laid tight.



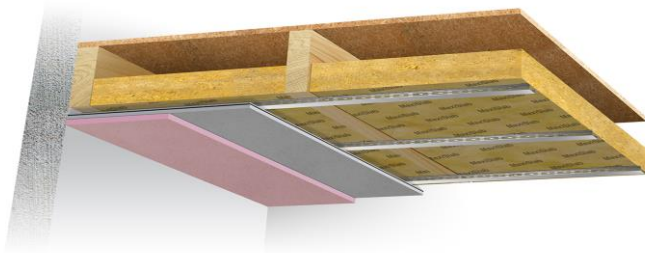
### **Proposed Floor**

2. 18mm T&G chipboard sub floor to be laid with a 28mm T&G chipboard Deckfon or similar to be laid over, creating a floating floor. A separating gap with minimum 3mm must be left between walls and floor and then filled with acoustic sealant to prevent flanking noise.



### **Party Ceilings**

3. 25mm Resilient bars to be installed and fitted with 1x layer 15mm soundbloc plasterboard and 1x 12.5mm soundbloc plasterboard with staggered joints.



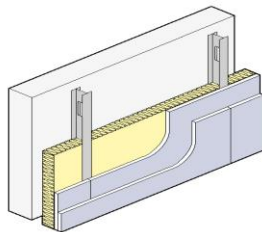
### **Party Walls**

4. Separating walls are to be built as British Gypsum Quite Wall, high performance acoustic wall system (Details Attached).

Attentively 2x 75mm stud walls with a 75mm cavity. The wall must sit on a 15mm strip of Soundbloc Plasterboard (Blue Board) between floor and ceiling to act as a deflection strip. The cavity must be insulated with 50mm Mineral wool with 60kg/m<sup>3</sup> density and with a 25mm airgap.

### Concrete Block Party Walls

- 25mm Resilient bars with 1x 25mm mineral wool backed soundbloc plasterboard to one side and 1x 15mm Soundbloc plasterboard dot and dap to the other side.

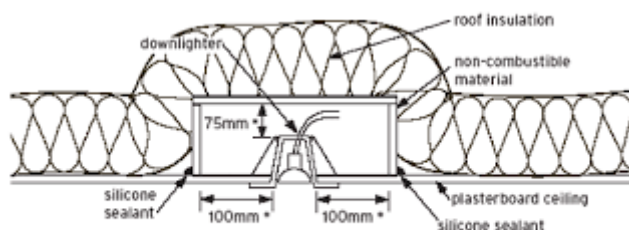


### Communal Areas

- Communal ceiling are to be lined with Gyptone QUATTRO 41 to keep reverberation times (RT60) down to the required standards.  
(Detail Attached)

### Lighting

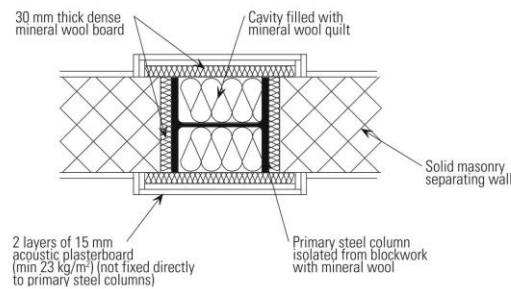
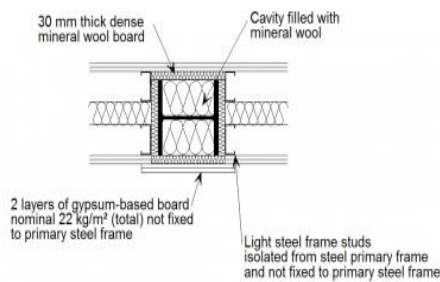
- Any down lighting will be boxed with 15mm Soundbloc plasterboard and sealed with acoustic sealant from. Alternatively, an acoustic downlight unit would be suitable.



\* or clearance as recommended by the fitting manufacturer

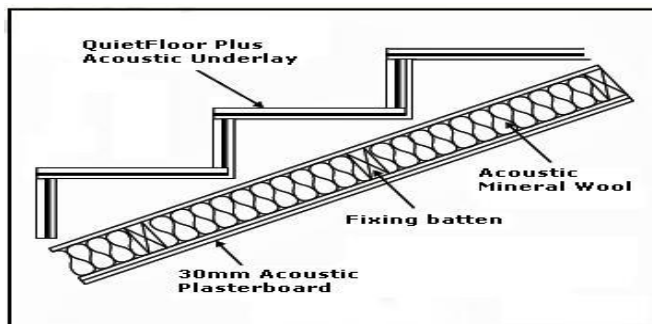
## Steel Beams & Waste Pipes

8. All steel beams and waste pipes should be boxed and infilled with 45kg/m<sup>3</sup> mineral wool and encased with 15mm soundbloc plaster board.



## Party Staircase

9. The underside of the stairs must be infilled with 50mm 60kg/m<sup>3</sup> mineral wool, 25mm resilient bars and 15mm soundbloc plasterboard. The stair treads will have acoustilay 15 or equivalent glued to each individual tread to prevent impact noise.



## History:

DAA Group specialises in the following disciplines:

- Preparing noise & vibration specifications for building services systems.
- Architectural acoustics.
- Review and acoustic advice to comply with Part E requirements.
- Environmental noise surveys.
- Investigative noise and vibration surveys.
- On site airborne and impact acoustic testing.
- PPG 24 Assessments to support planning applications.

## Projects:

Projects include the following market sectors:

- Commercial offices including shell, core category A and B Fit-outs.
- Residential developments.
- Restaurants.
- Commercial Units.
- Night Clubs.
- Hospitals both private and PFI projects.
- Airport Terminals.
- Cinemas and Theatres.
- Broadcasting studios.
- Recording studios.
- Factory units.

## Practice Commercial Details:

- Banking: Barclays
- Insurance: Maltings Insurance  
Professional Indemnity: Minimum of £5,000,000.00