

**SOUND INSULATION SPECIFICATION TO BUILDING REGULATION PART-E:**

INTERNAL PARTY WALLS BETWEEN FLATS TO BE EITHER:

- (a) 100mm DENSE 7N/mm<sup>2</sup> BLOCKS PLACED OVER FLOOR BEAMS OR TRIMMER IF RUNNING PARALLEL TO JOISTS OR FIXED TO FLOOR JOISTS WITH STEEL STRAPS IF PERPENDICULAR TO JOISTS. PROVIDE RENDER FINISH TO BOTH SIDES THEN FINISH WITH 2-NUMBER OF SOUND BOARDS AT EACH SIDES THEN SKIMMED AND FINISHED.

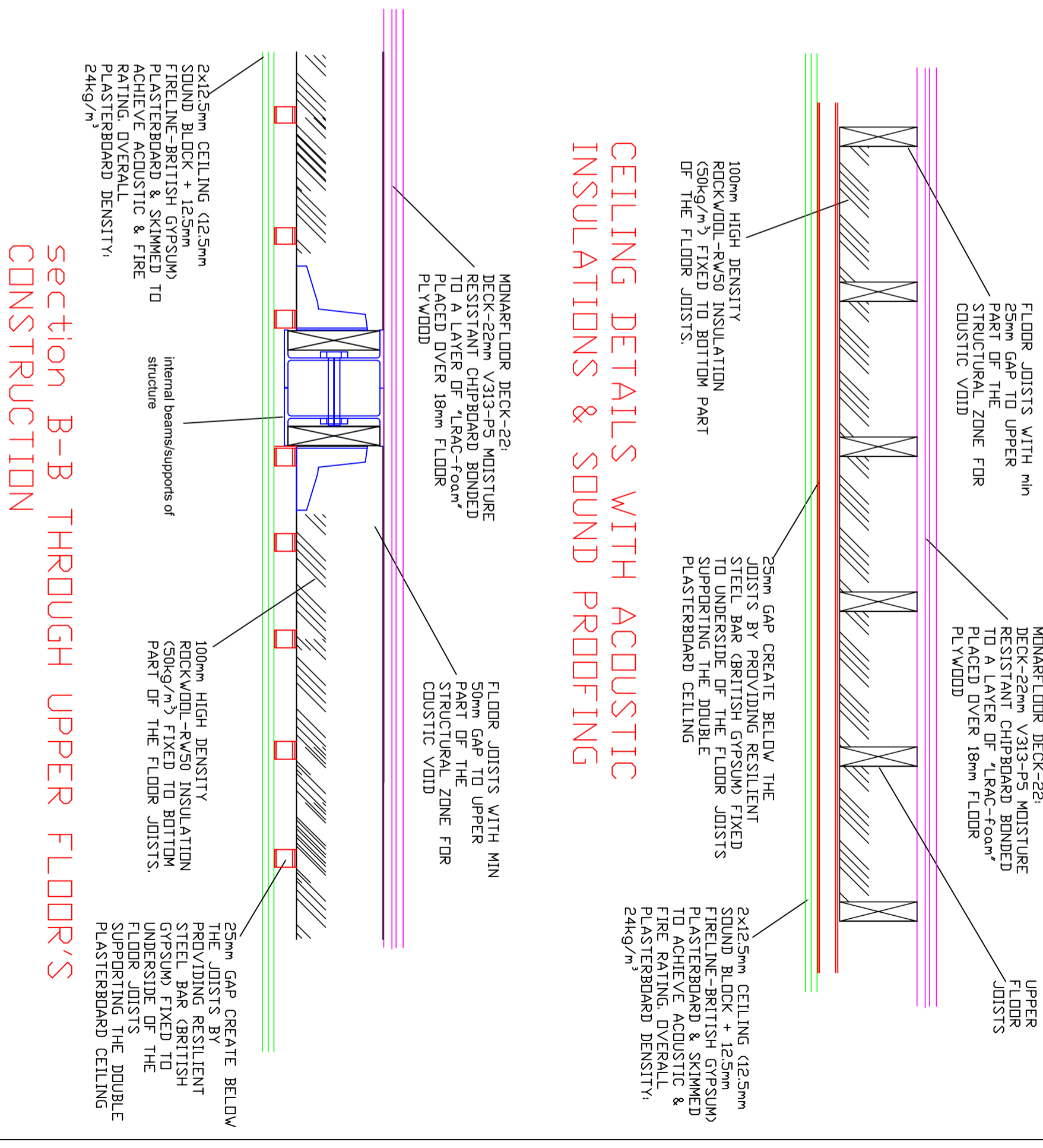
OR

- (b) CREATE TIMBER PARTITION WALLS & TO BE INSULATED INNER STUD LINNING:100x50-C16 @ 600c/cs WITH NOGGINS @ 450c/c VERT PLUS INFILL INSULATION (50mm ROCKWOOL DRYTHERM-50 POSITIONED CENTRALLY TO THE JOIST TO ACHIEVE 25mm CAVITY GAP TO EACH SIDE) WITH 2x12.5mm PLASTER BOARD TO INSIDE FACE (1-SOUND BOARD + 1-FIRE BOARD) & FULLY SKIMMED IN ORDER TO PROVIDE SOUND INSULATION BETWEEN EACH AREAS TO PART-E COMPLIANCE (48db @ MIN 3db ABOVE MIN. REQUIREMENTS)

THE FLOORS TO BE SOUND PROOFED TO MEET PART-E. ALL EXISTING FLOOR JOISTS TO BE REMOVED AND FLOOR JOISTS TO BE REPLACED WITH 225x50-C16 JOISTS. PROVIDE 200mm ROCKWOOL-50kg/m<sup>3</sup> INSULATION BETWEEN THE JOISTS WITH 25mm GAP TO U/S OF THE 1st FLOOR DECKING TO CREATE A CAVITY GAP. FIXING 25mm METAL INSERT TO U/S OF THE JOISTS THEN INSTALL 12.5mm SOUND BOARD PLUS 12.5mm FIRE BOARD TO THE CEILING. PROVIDE FULL DEPTH NOGGINGS AT 3RD SPAN. SAP REPORT TO BE PROVIDED WITHIN FIVE DAYS OF COMPLETION OF THE WORKS & FORWARDED TO BUILDING CONTROL TO COMPLY WITH PART-L. A SOUND TESTING BY INDEPENDENT CERTIFIED COMPANY TO ALL AREAS IN ORDER TO CERTIFY THE BUILDING AND THE DESIGNATED AREAS UNDER BUILDING REGULATION PART-E COMPLIANCE (MIN. 48db @ 3db ABOVE REQUIREMENTS).

(Upon completion of the works the sound test to be carried out by accredited and approved independent contractor who will forward the test results to Building Control for approval)

**CEILING DETAILS WITH ACOUSTIC INSULATIONS & SOUND PROOFING**



**section B-B THROUGH UPPER FLOOR'S CONSTRUCTION**