

Safety glazing to BS6206 should be installed in the following locations:
 1/ between finished floor level and 400-800mm above that level in internal and external walls and partitions.
 2 /between finished floor level and 1500mm above that level in a door or in a side panel close to either edge of the door.

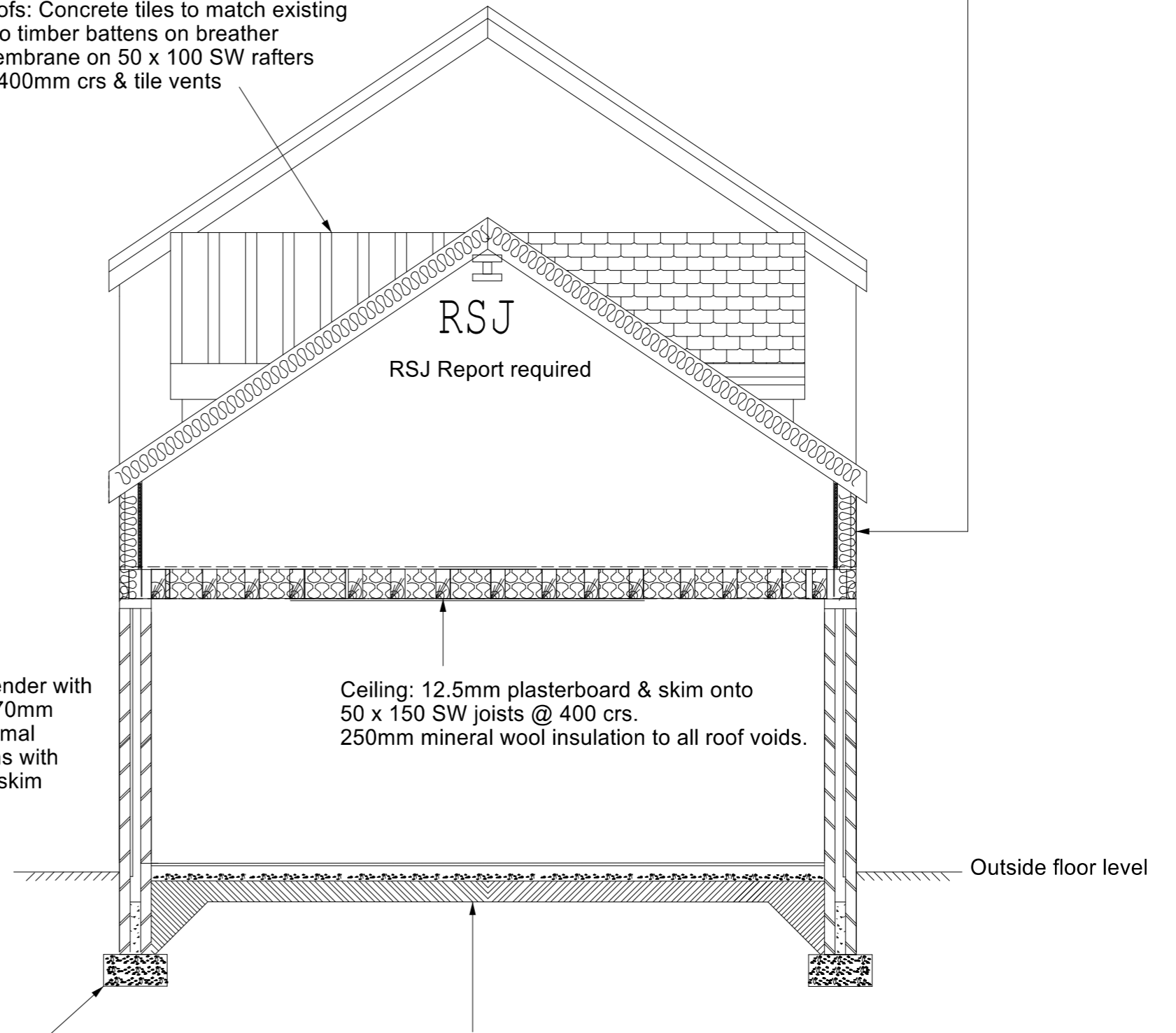
All new glazing is to be double-glazed using low-E glass (en = 0.05) with 16mm argon filled gap between panes. U-Value to be no worse than 1.6 W/m2k.

Electrical: All electrical work required to meet the requirements of Part P (Electrical Safety) of the Building Regulations (as amended) must be designed installed inspected and tested by a person competent to do so.
 Powys CBC will be provided with either:
 a)Where the work is carried out by a person not registered under the Competent Persons Scheme a Building Notice and appropriate fee will be submitted for the council's electrical sub-contractor to verify compliance with Part P or:
 b)An electrical certificate issued under the Competent Persons Scheme at completion of the electrical installation work.

Every 1 in 3 rooms should be fitted with lighting which only takes lamps which have a luminous efficacy greater than 40 lumens per circuit watt.

First floor walls to be timber frame, made up of no less that 150mm by 50mm vertical timbers at 400mm spacings with cellotex or similar insulation between the timbers. Vapour layers on inside and outside faces, Internal plaster board to be 50mm min insulated 12mm foil backed plaster board. Marine ply to external wall covered in seel mesh to accept the external render. External render to match existing property. Internal service layer to be installed if required.

Roofs: Concrete tiles to match existing onto timber battens on breather membrane on 50 x 100 SW rafters @ 400mm crs & tile vents



Walls: 103mm Blockwork & render with 100/125mm cavity filled with 70mm celotex batts and internal thermal block/block walls and partitions with 12.5mm thick plasterboard & skim finish dot & dab.

Ceiling: 12.5mm plasterboard & skim onto 50 x 150 SW joists @ 400 crs. 250mm mineral wool insulation to all roof voids.

Foundations to be double the width of cavity walls (Min) 600/650 at a depth of no less than 200m. 1m below ground surface to avoid frost damage and to be agreed by the Building Control Office.

Floor: 100mm concrete with 32mm flat screed finish onto 120mm polystyrene insulation on 1200ga PVC membrane onto 50mm sand on 125mm hardcore/ Block and beam construction, specifications to be provided by supplier. To suit site conditions, and approved by Building Control Officer.

Whilst every care has been taken to ensure accuracy, no responsibility will be accepted for any errors contained in this drawing. This drawing is not to be relied on for the ordering of any materials. The drawings contained within these plans are for planning purposes only. All details and dimensions are to be checked prior to the ordering of any materials or the commencement of any work.

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PROJECT: Proposed side extension

TITLE: Proposed section through

DATE: February 2021 SCALE: 1 : 50 DRAWING STATUS: Complete

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Section Through