



Key to elements:

- 1 Insulated render system to existing external walls. U-value 0.25 W/m2K
- 2 New and replacement **windows** to be Alu/wood triple glazed. U-value 0.79 W/m2K
- 3 New Rational panelled entrance door U-value 0.84 W/m2K
- 4 New Alu/wood triple glazed terrace doors U-value 0.81 W/m2K Glass to be toughened/laminated to comply with Part N
- 5 **New extension Floor construction:**  
75mm floating screed on slip membrane on  
200mm EPS insulation on dpm/radon barrier on  
125mm concrete slab on  
25mm sand blinding on  
150mm granular fill/hardcore layer(s)  
U-value approx 0.17 W/m2K
- 6 **New extension Wall construction:**  
13mm skimmed plasterboard on  
38 x 50mm sw batten service zone on  
YBS Superquilt lining on  
140 x 50 nom. treated sw stud framing filled with  
140mm Steicoflex 038 insulation  
18mm WBP plywood or OSB sheathing  
covered with YBS insulated breather membrane  
22mm Western Red Cedar or Larch vertical  
rainscreen cladding boards on chamfered  
50 x 50mm treated sw horizontal battens on  
38 x 50mm treated sw counterbattens  
U-value 0.17W/m2K
- 7 Internal stud partitions  
75 or 100 x 50mm sw studs with  
75mm Rockwool sound insulation  
13mm skimmed plasterboard both sides  
(moisture resistant plasterboard to bathroom)
- 8 Existing beam(s) over opening
- 9 Lightweight masonry alterations bonded with existing masonry partitions
- 10 Connect 50mm upvc bath waste to existing above ground drainage
- 11 Extend existing foul drain as shown with 100mm pvc soil pipe at min 1:40 fall.  
Install 2no. inspection chambers and rodding eye at head of drain. Connect 50mm sink wastes via 100mm floor boss.  
Surround pipe below slab with concrete.
- 12 Aco type linear drain connected to perimeter sw french drain to soakaway 5m from rear elevation.
- 13 Ceiling mounted cooker hood extract fan 770 m3/hr extraction rate.
- 14 Mains operated heat/smoke detector alarm system to be installed to comply with BS5839
- 15 Radon sumps and 100mm extract vent pipes in hardcore zone.

See plan as existing showing extent of demolitions and removals

See sections AA and BB for roof construction

Revisions	Date
A Building Regs notes added	10.5.21
B Dims added for SE	21.6.21

Checked

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Client: Mr Andy Gill

Project: Extension & adaptations to  
13 Maes Dyfed, St.David's  
Drawing: Proposed Plan (B Regs)

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