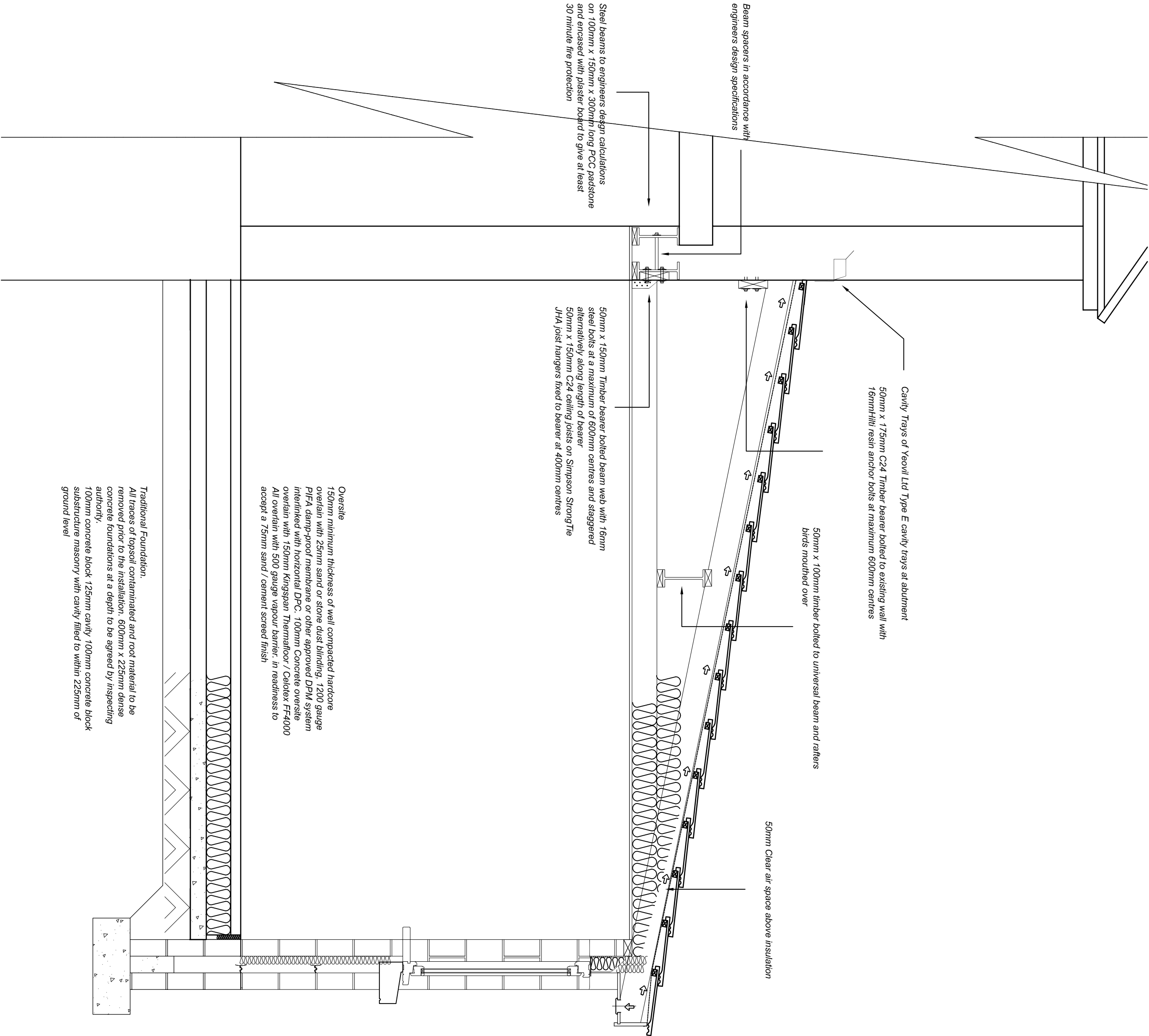




Roof.
Roof covering in a colour to match that of main property and suitable for a 12.5 degree pitch
On 25mm x 50mm treated battens complying to BS5534 Part 1 1990 Kiebert Fernlight permeable underlay on
50mm x 150mm C24 roof rafters at 400mm centres on 50mm x 100mm wallplates bedded to head of masonry and anchored down at maximum 2000mm centres using 5mm x 30mm x 1200mm once bent restraint strapping fixed in accordance with TRADA specifications.
Universal beam to engineers design specification at mid span with 50mm x 100mm timber plate bolted at head as support to rafters
50mm x 150mm C24 ceiling joists at 400mm centres and strapped to underside of universal beam
Level ceilings to be insulated with at least 340mm of mineral wool cross bonded above ceiling level, to give a UValue not exceeding 0.13W/m²K

12.5mm FireLine plasterboard ceiling with a 3mm dense plaster finish.
A 50mm clear air space to be maintained between underlay and insulation.

Fascia, soffit and barge boards to be of uPVC and sized to suit roof truss section

Superstructure.
Two coat cement based render system finished to match existing on 100mm dense concrete block, laid in a 1-1-6 cement, lime, sand mortar. 50mm clear cavity75mm Celotex or Kingspan partial fill insulation on 100mm Celcon Soler, Durox or Thermalle Turbo aerated concrete block laid in a 1-1-6 cement, lime, sand mortar 12.5mm plasterboard on plaster dabs finished with a 3mm dense plaster skim to achieve a U Value of 0.20W/m² K or better. Cavity to be closed at head, eaves and gables with Rockwool Quelfire or other approved closing system.

Stainless steel wall ties, at maximum 600mm horizontal and 450mm centres staggered on alternate courses. Ties to be placed on each course of blockwork at reveals.
Insulation reeliners to be fitted in accordance with manufacturers recommendations.

All window and door thresholds, sills, jambs and heads are to be finished with proprietary thermal rebate closers.

Lintels.

From the Galvic Cougar or IG L/S range with minimum 150mm end bearing and fully bedded on mortar and with DPC trays installed as required by manufacturers recommendations. Weep vents to be provided at a minimum of 2 per lintel or at a maximum of 675mm centres. Galvic Type CL3 or C90 lintel stop ends inserted as per manufacturers recommendations.
Internal finish to be 12.5mm British Gypsum wall board on plaster dabs with all perimeters sealed. Joints to be taped and filled to provide a finish suitable for direct decoration.

All Reveals are to be sealed using Cavity Trays of Yeovil Ltd Type H universal cavity closer, insulator and damp proof course.

DPCs.

Hydroid polythylene horizontal dpc at a minimum of 150mm above finished external path level. Cavity trays where required to be Hydroid or Cavity Trays of Yeovil depending on availability at time of construction.

Windows / Doors.

All windows, glazed external doors, and patio doors are to be double glazed using two panes of 4 or 6mm Pilkington K glass (soft coating) thermically sealed units with a minimum 22mm air space between panes. All sashes are to be draught sealed complying with the requirements of BS 537. Windows to achieve a UValue not exceeding 1.40 W/m²K. Glazed doors are to achieve UValues not exceeding 1.20 W/m²K. uPVC frames are to be manufactured in accordance with BS 7412 from extruded profiles to BS 6375-1 designed for wind pressures 2000+. Operation and strength characteristics to BS 6375-2. Frame reinforcement to be Aluminium alloy or galvanised steel.

All glazing within defined within Approved Document N as "Critical Areas" is to be toughened or laminated glass which in the event of accidents will break safely.

Natural Ventilation.

Window openings to all habitable rooms are to be at least 5% of the floor area of teh room served and some part of the operable area is to be at least 1.75M above floor level.
Background ventilation to all habitable rooms by "trickle" ventilators equivalent to 8000mm² in area. All other rooms are to be fitted with "trickle ventilation equivalent to 4000mm².

Mechanical Ventilation.

All electrical mechanical ventilation fans are to be compliant with BS EN 60335-2-30 and BEAB approved.
Kitchen mechanical extraction to external atmosphere must be equal to 30 litres per second if provided by cooker hood or 60 litres per second if the fan is installed elsewhere within the kitchen.

Bathroom and utility room are to be fitted with mechanical ventilation equal to 15 litres per second. Separate W.C.s. are to be fitted with mechanical ventilation equal to 6 litres per second

Section C

The Two storey side extension and internal alterations @ 8 Nant Y Gleisiad Resolven SA11 4AL			
Client	Mr & Mrs G R Williams 4 Brecon Terrace Deri, Bargoed CF81 9HB		
Tel	01415795247		
Email	grwilliams23@gmail.com		
Drawing	Section C		
Revision No			
Drawn	J P :: AGR		
Scale	1 / 100 :: 1 / 50		
Date	20 / 01 / 2021		
Amended			