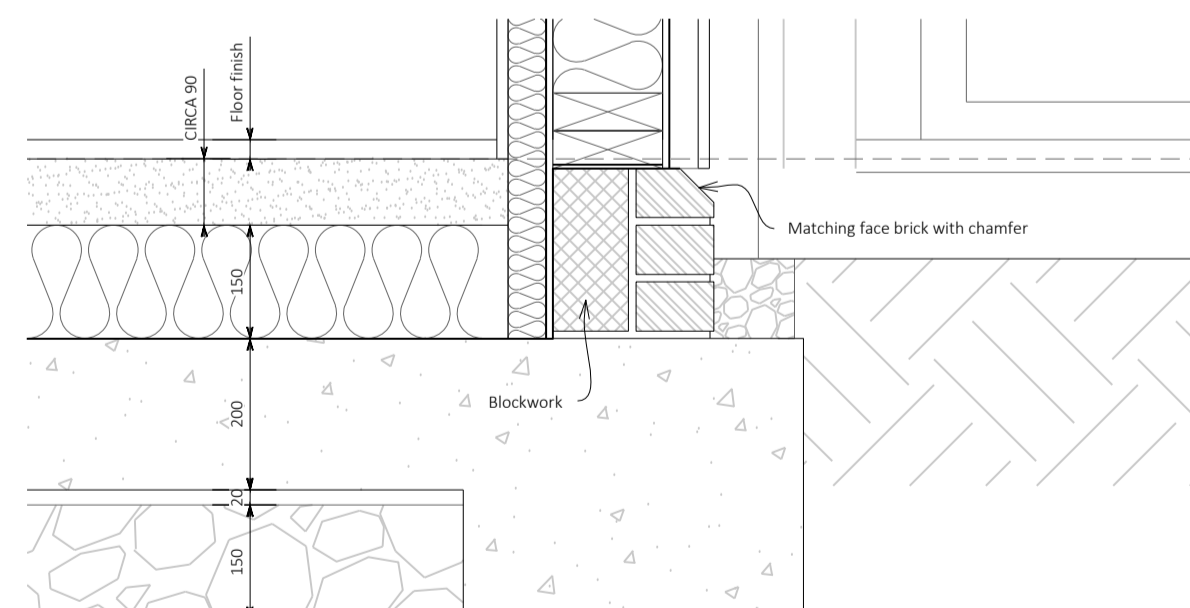
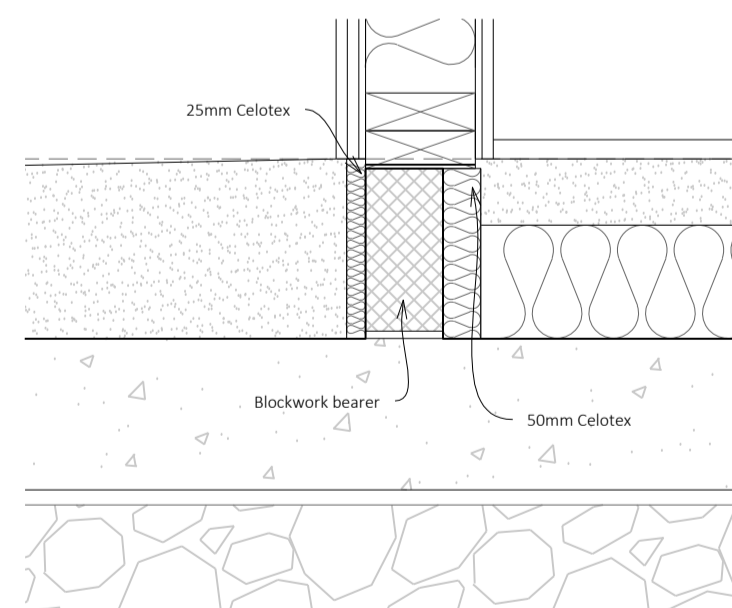
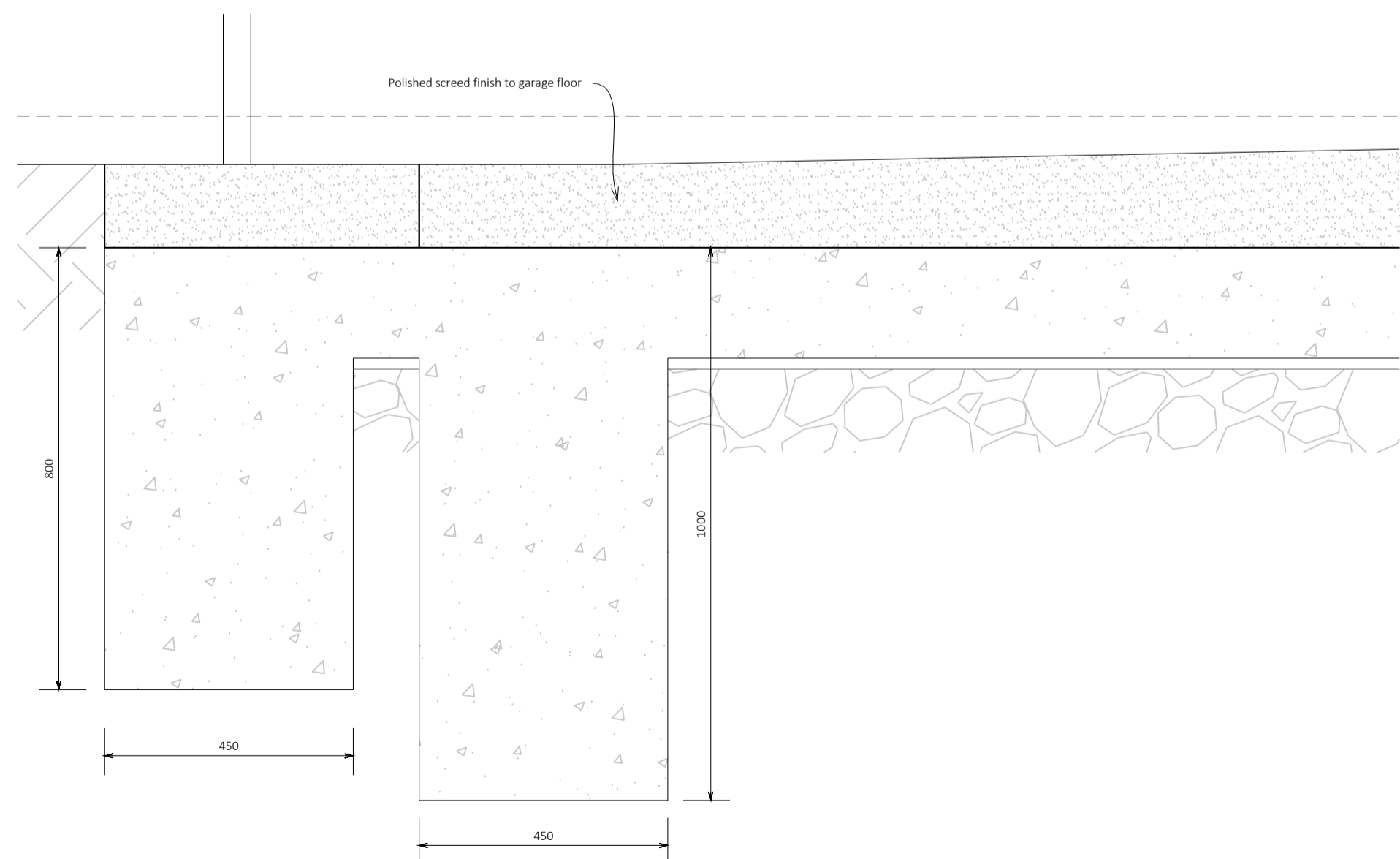
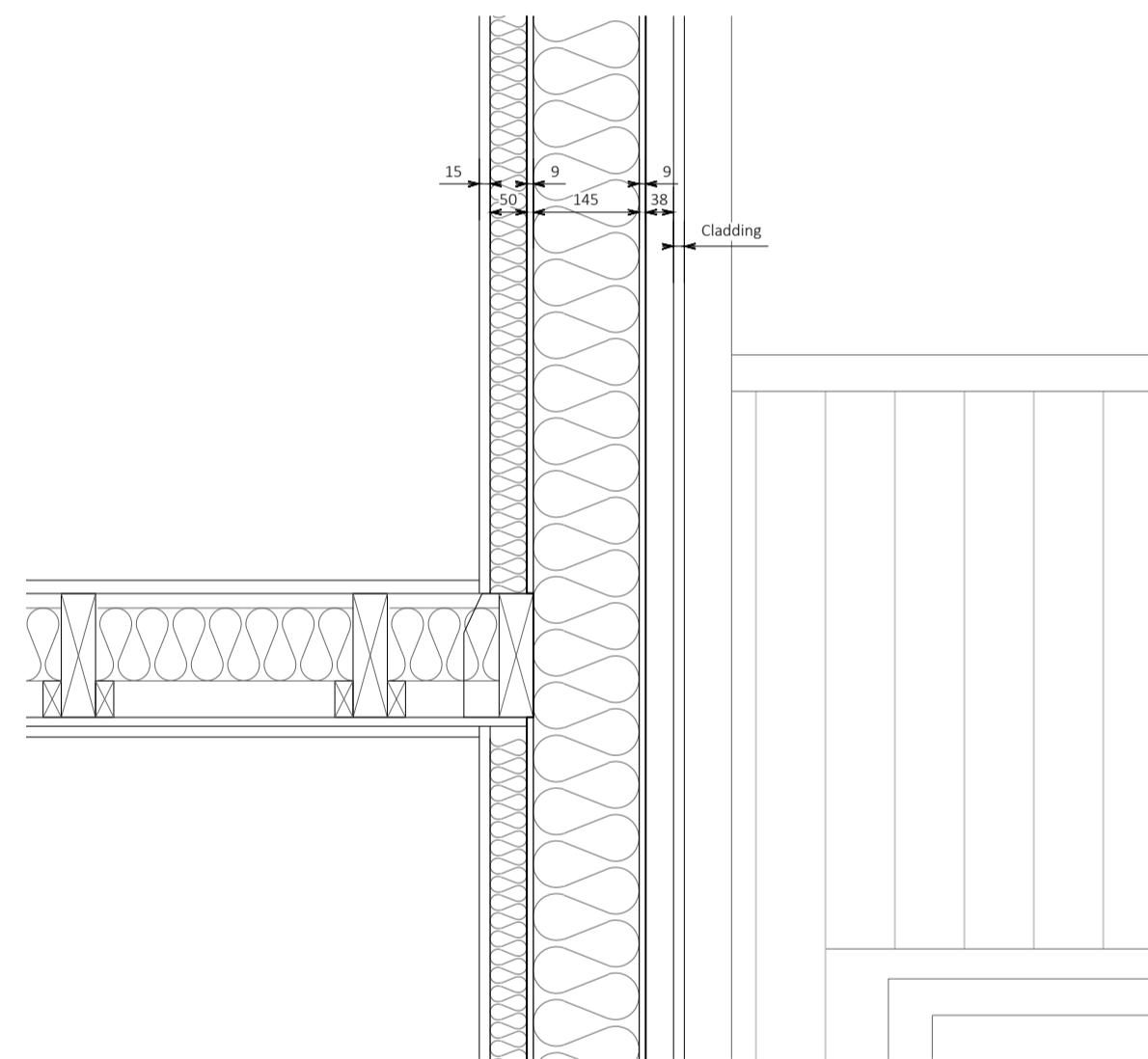
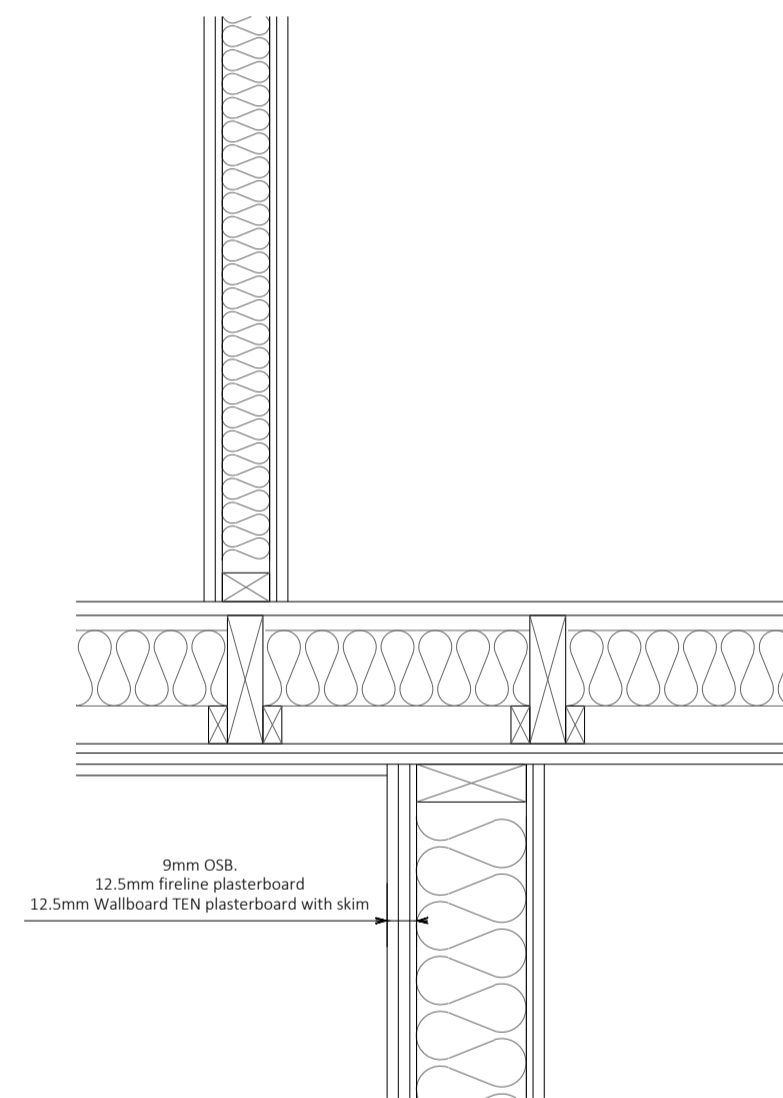
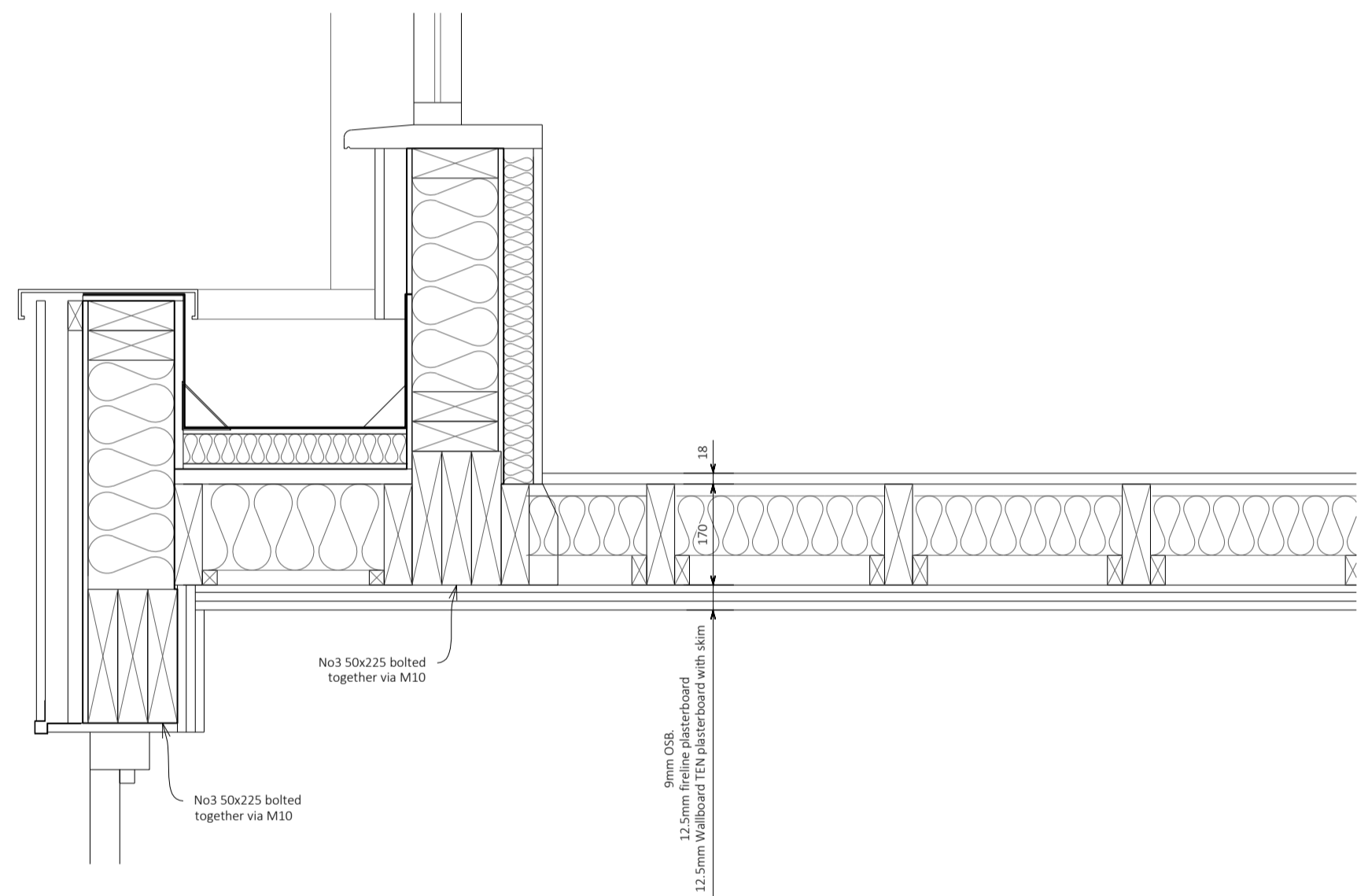
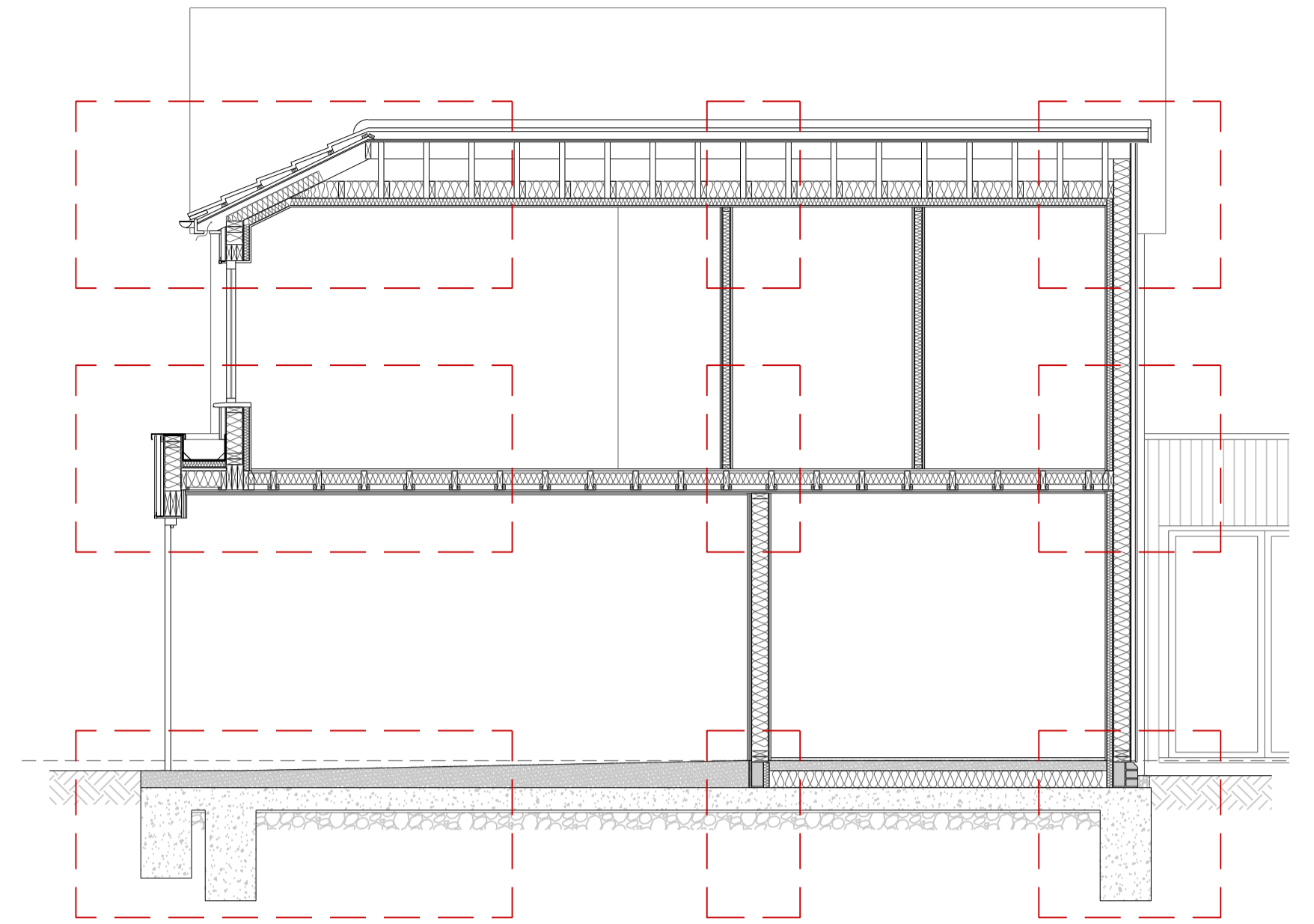
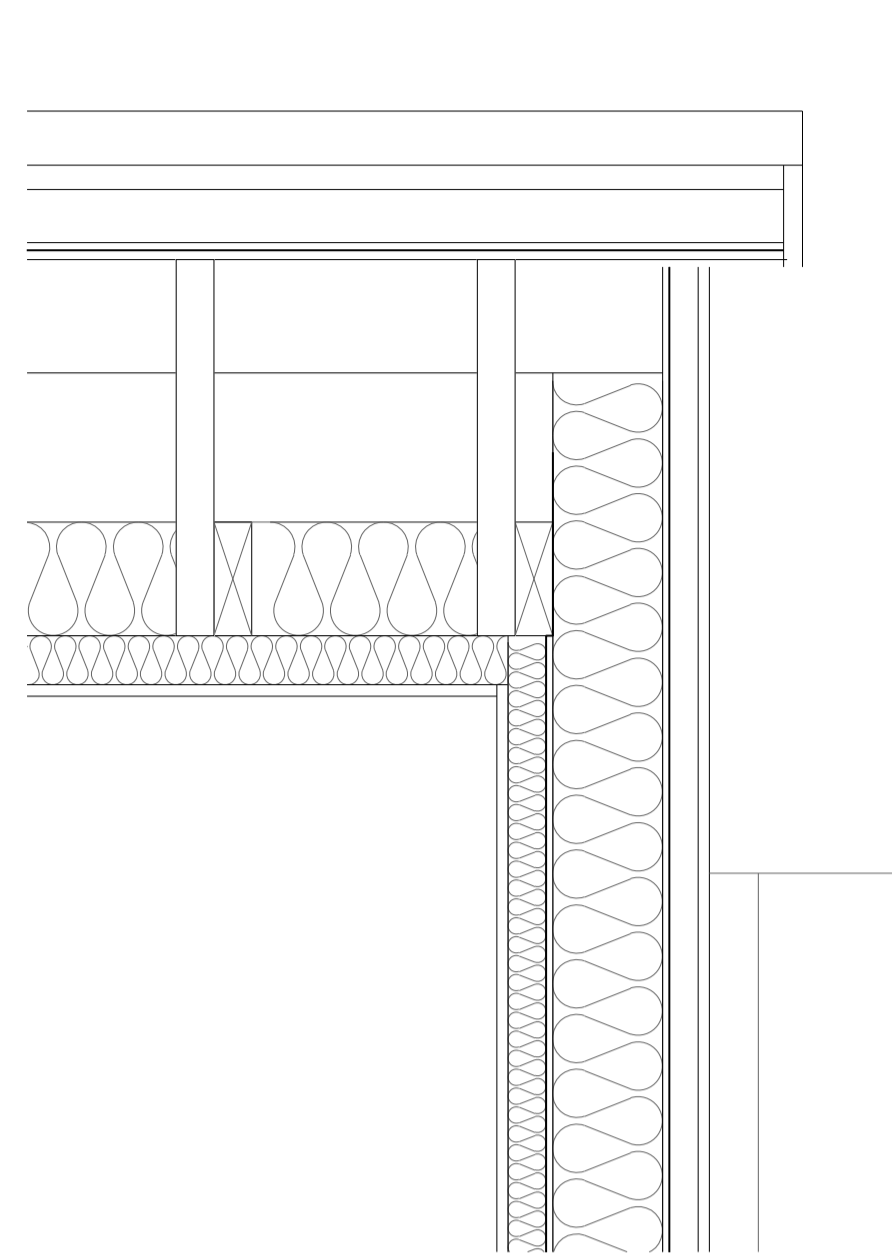
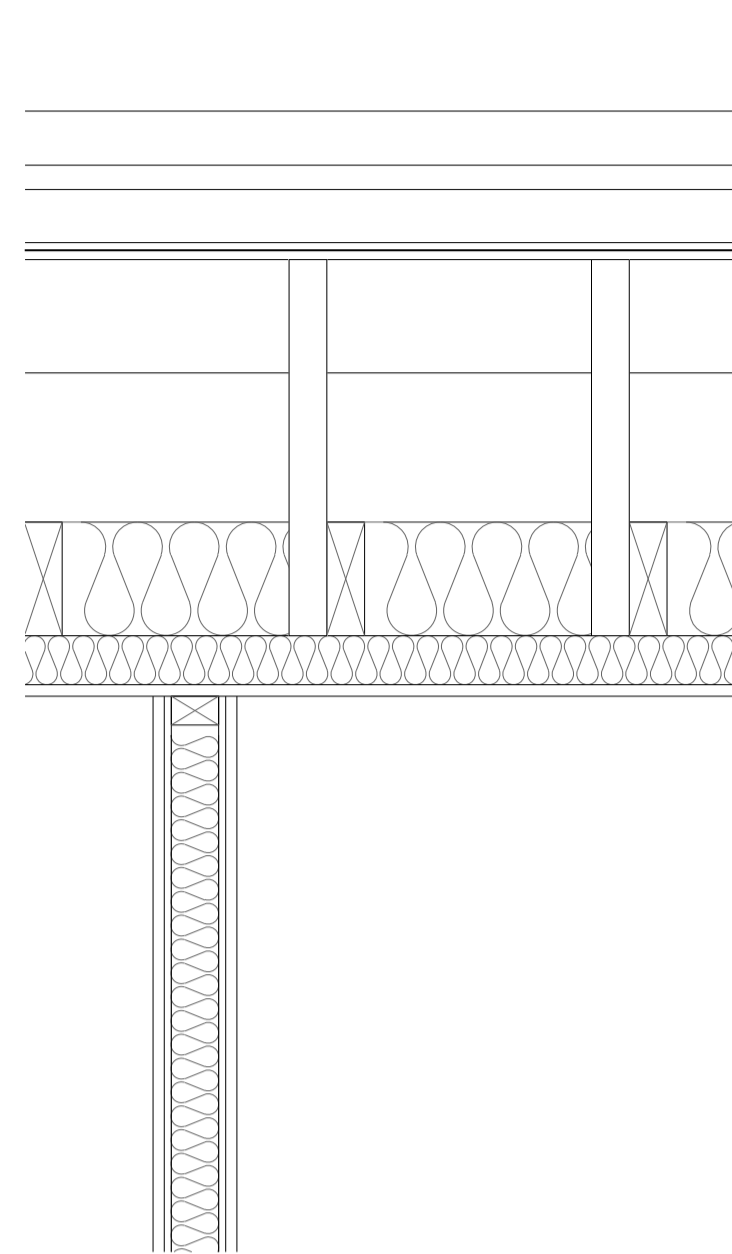
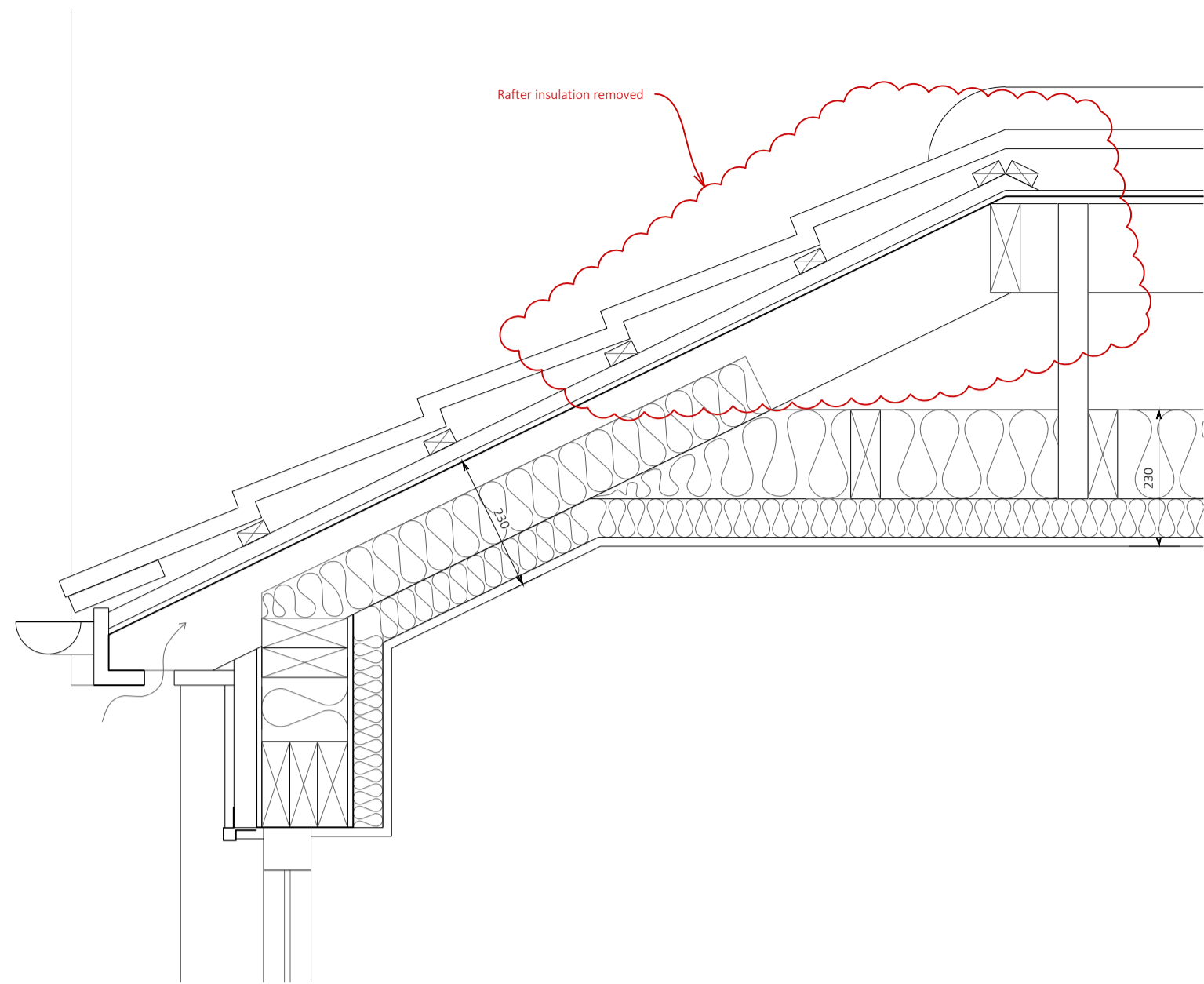


Please Note:

- Do not scale directly from these drawings.
- All dimension should be checked on site by the contractor prior to the commencement of any works.
- Any discrepancy should be reported to CWL immediately.
- Contractors should carry out their own assessment before commencing any works.
- All works are to be carried out in accordance with relevant Approved Documents & British/Scottish Standard where applicable.
- CWL does not take any responsibility for information provided by third parties.



Foundation & Floor Construction:

- Contractor to ensure internal finished floor levels match between existing and proposed.
- 75mm screed
- 500 gauge DPM
- 100mm Celotex G4000 insulation
- 1200 gauge DPM
- 150mm concrete slab (Gen2 mix)
- 20mm bedding sand
- 150mm compacted hardcore
- 50mm Celotex TB4000 insulation to bearing slab perimeter
- 450mm in width concrete filled trench (Gen2 mix)
- Concrete Depth: 800mm in single storey areas, 1000mm in two storey areas.
- Brick/Block bearing
- Weathered/chamfered facing brick to top course
- DPC
- Treated C16 timber plate.

First Floor Construction:

- 18mm ply
- 47x170 C16 joists @ 600mm centres
- 100mm Celotex suspended between joists
- 9mm OSB
- 12.5mm Wallboard TEN plasterboard with skim

First Floor Construction Over Garage Area:

- 18mm ply
- 47x170 C16 joists @ 600mm centres
- 100mm Celotex suspended between joists
- 9mm OSB
- 12.5mm fireline plasterboard
- 12.5mm Wallboard TEN plasterboard with skim

External wall construction:

- Marley Eternit 'Central Click' cladding system (vertical and horizontal), including ventilated cavity. (installed in line with manufactures instructions, available at: www.marleyeternit.co.uk/Resource/CAD-Details/Facades)
- Breathair membrane
- 9mm Primat MASTERSOARD (or similar) to provide min 30minute fire protection (external face)
- 47x145mm C16 @ 400mm Centres
- 140mm Celotex X4000
- 9mm Exterior Grade OSB (Internal face)
- Vapour Control Layer
- 50x25mm battens @ 100 Centres
- 50mm Celotex TB4000 Insulated Service Zone
- 12.5mm Wallboard Ten with skim (Class 0)

Internal wall construction:

- 12.5mm Wallboard Ten (each side)
- 9mm OSB (each side)
- 63x38 C15 timber studwork
- 60mm Celotex insulation board

Internal wall construction (between utility and garage):

- 12.5mm Wallboard Ten (each side)
- 9mm OSB (each side)
- 12.5 Fire line (garage side)
- 140x20mm C16 studwork
- 140mm Celotex X4000

Main Roof Construction:

- Tiles to match existing
- 25x50mm batten and counter batten
- Breathable roofing underlay
- 15mm Ply
- 50x150 C16 Ridge Beam
- 50x150 C16 rafters set at 400mm centres
- 50mm ventilation gap
- 100mm Celotex G4000 between ceiling joists/bats
- 65+12.5mm Celotex FL4065
- Self vent to provide a minimum of 2500mm²/m run
- 5mm air gap to be maintained over ridge beams
- Ventilated ridge. Providing 5mm air gap
- Ventilation in valley intersection is to be maintained by removing a 50mm strip of the 15mm OSB across the rafters in line with the valley 300mm above the intersection.
- Dragon tie detail in accordance with 7.2.7 of NRC Standards 2018 to hipped corner.
- Roof construction to comply with 7.2 of NRC standards 2018 where not otherwise specified.

Flat Roof Section (main roof):

- GFP covering system lapped under tiles by min 150mm vertically
- 18mm exterior grade ply
- 47x145 C16 ceiling joist/bat
- 100mm Celotex G4000 between ceiling joists/bats
- 65+12.5mm Celotex FL4065

Single Storey Flat Roof Construction:

- Antracite Grey RAL 7016 Aluminium Coping (302mm, contractor to confirm)
- GFP covering system, lapped under coping
- 12mm exterior grade ply
- 50mm Celotex
- breathair membrane
- 11mm OSB
- Firing
- 50x225 C16 Joists
- 150mm Celotex suspended between joists
- 12.5mm Wallboard TEN plasterboard with skim

Windows:

- Windows to match client specification. Contractor to confirm cycle
- Bedrooms windows to provide suitable for means of escape. Giving openings of at least 450mm x 750mm not more than 1100mm above floor level
- Windows and skylights to achieve 1.0W/m² or better.
- New windows and skylights are to provide adequate ventilation via 2500mm² trickle vents where more than 11 are present, or 5000mm² where only 11 are specified.
- New windows to conform to approved document K.
- Glazing to comply with BS6399 and/or BS 6180.

Sky Light:

- 1.5m x 1.5m Flushglaze Rooflight (or similar)
- Providing a U-Value of 1.0W/m²K or better.
- Available from: www.rooflights.com/product/rooflights/flushglaze-fixed-rooflight
- Technical details and instal guide available from: www.rooflights.com

Waste Water:

- All new drainage to be in compliance with approved document H.
- Soil stacks and waste runs to be vented in compliance with Approved Document H.
- Drainage diagram is for location guidance only. Contractor to ensure compliance.
- Soil pipes to be of 110mm black uPVC where above ground and suitable 110mm uPVC where below ground.
- Soil pipe junctions of more than 45degrees are to incorporate rodding points where any lengths of pipe cannot be reached from any other part of the system.
- New/reouted soil pipes and waste water runs to connect to existing drainage system.
- Below ground pipe work to provide a minimum 150mm cover of gen2 mix concrete, bedded on a 50mm graded aggregate.
- Contractor to ensure pipe work provides a minimum fall of 1:80.
- Sink, bath and shower wastes to be fitted with suitable traps and anti siphon precautions where necessary in compliance with approved document H: Section 1.

Rainwater:

- Surface water to drain in to existing system where practical/possible.
- New down pipes to connect to existing soak-away.
- New down pipes to be of 68mm black plastic.
- New guttering to be of 115x75mm black plastic.
- Contractor to confirm requirement of additional soak-away.
- Above ground pipe work is to be of ABS 40mm solvent weld type. Installed in accordance with approved document part H. White internally, black externally.
- All new drainage to comply with approved document H where not otherwise specified.

Heating:

- New radiators to be connected to the existing system.
- New radiators to be fitted with thermostatic radiator valves.

Electrical Installation:

- All electrical works to be carried out in compliance with Part P.
- All electrical works to be designed, carried and tested out by a registered electrician.
- 75%min of new lighting to be of low energy/energy efficient type.

Means of warning and escape:

- Main powered interlinked smoke detectors with battery backup to be provided in both hall and landing areas in accordance with BS5839-6 & BS5446-1:2
- Bedrooms to be provided with windows of a minimum of 450x750mm and no more than 1100mm above floor level.

Ventilation:

- In accordance with regulation 42 of the Building Regulations 2010 the person carrying out the work shall for the purpose of ensuring compliance must:
 - ensure that testing of the mechanical ventilation air flow rate is carried out in accordance with a procedure approved by the secretary of state; and
 - give notice of the testing to the local authority.
 (f) the notice as referred to in (b) above is to be given to the local authority not later than 5 days after the final test is carried out.
- Mechanical ventilation of a 30L/s minimum to be provided to bathrooms, kitchen and where specified.

Structural Elements:

- Contractor to confirm all structural elements prior to procurement and construction.

Area Schedule		
Area	Notes	Size
Total Footprint	Existing	70.50sqm
Total Footprint	Proposed	90.50sqm
Plot	Existing	437.50sqm

Revision:

- A - Initial Drawing - 12/07/2018
- B - Building Control Amends - 08/08/2018
- C - Building Control Amends - 27/09/2018

Project Details:

Drawing No: 920-2/53/07/B
 Drawing Title: SECTION E
 Scale: 1:10 @A0 A1
 Date: 27/09/2018
 Checked: SS

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CLOCKWORKTIME

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 Drawing Title: SECTION E
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