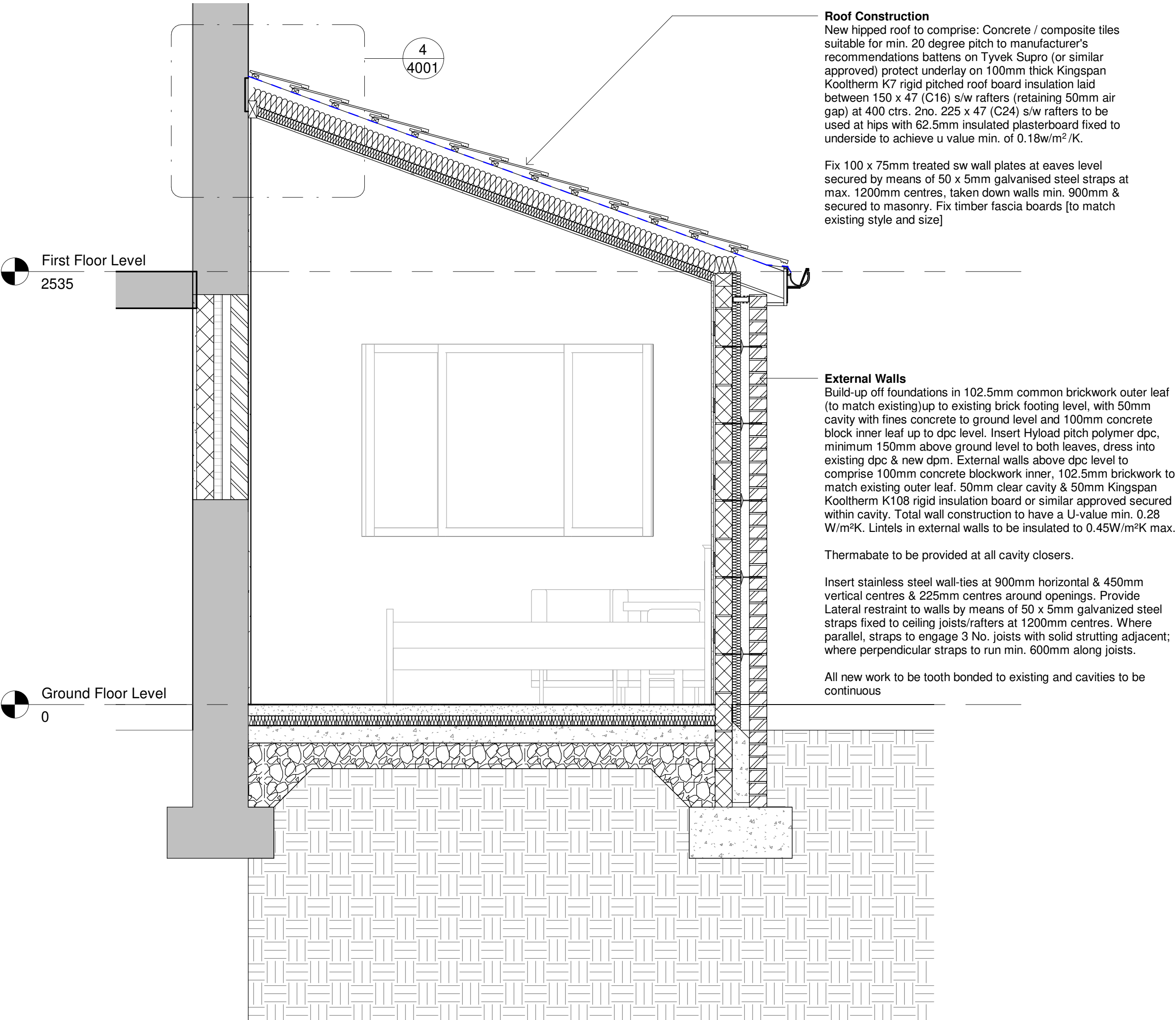




Section B-B
Scale 1 : 20

Roof Construction
New hipped roof to comprise: Concrete / composite tiles suitable for min. 20 degree pitch to manufacturer's recommendations battens on Tyvek Supro (or similar approved) protect underlay on 100mm thick Kingspan Kooltherm K7 rigid pitched roof board insulation laid between 150 x 47 (C16) s/w rafters (retaining 50mm air gap) at 400 ctrs. 2no. 225 x 47 (C24) s/w rafters to be used at hips with 62.5mm insulated plasterboard fixed to underside to achieve u value min. of 0.18w/m²/K.

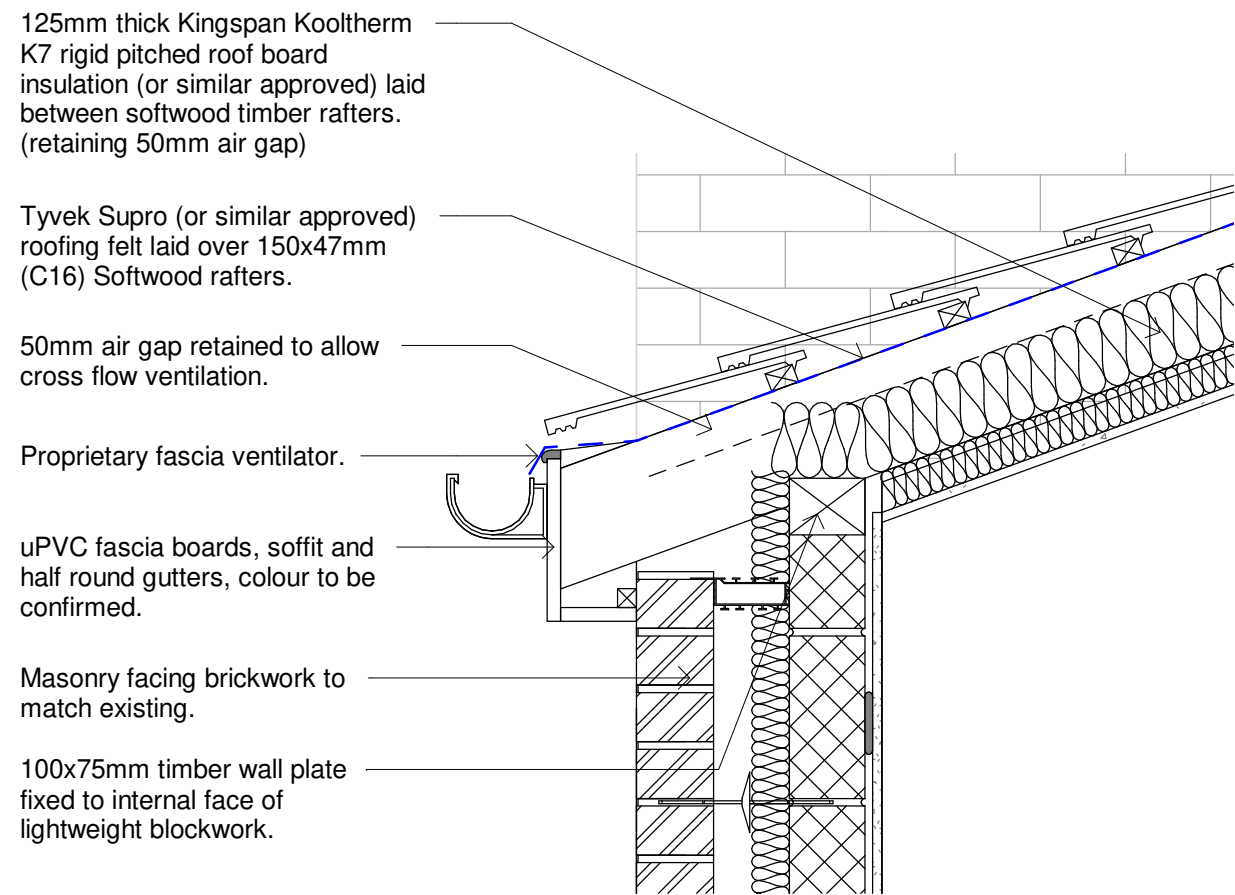
Fix 100 x 75mm treated sw wall plates at eaves level secured by means of 50 x 5mm galvanised steel straps at max. 1200mm centres, taken down walls min. 900mm & secured to masonry. Fix timber fascia boards [to match existing style and size]

External Walls
Build-up off foundations in 102.5mm common brickwork outer leaf (to match existing) up to existing brick footing level, with 50mm cavity with fines concrete to ground level and 100mm concrete block inner leaf up to dpc level. Insert Hyload pitch polymer dpc, minimum 150mm above ground level to both leaves, dress into existing dpc & new dpm. External walls above dpc level to comprise 100mm concrete blockwork inner, 102.5mm brickwork to match existing outer leaf. 50mm clear cavity & 50mm Kingspan Kooltherm K108 rigid insulation board or similar approved secured within cavity. Total wall construction to have a U-value min. 0.28 W/m²K. Lintels in external walls to be insulated to 0.45W/m²K max.

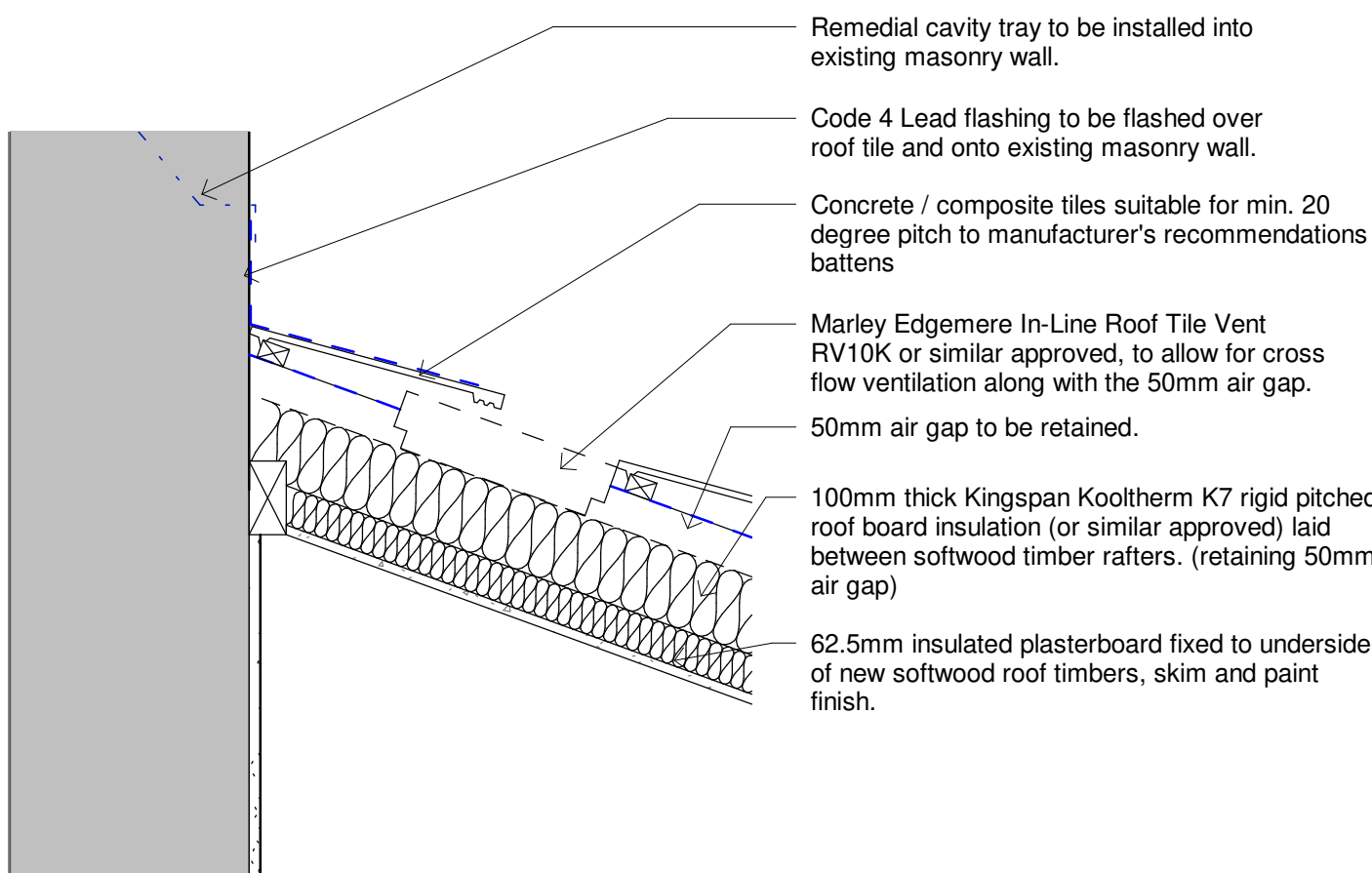
Thermabate to be provided at all cavity closers.

Insert stainless steel wall-ties at 900mm horizontal & 450mm vertical centres & 225mm centres around openings. Provide Lateral restraint to walls by means of 50 x 5mm galvanized steel straps fixed to ceiling joists/rafters at 1200mm centres. Where parallel, straps to engage 3 No. joists with solid strutting adjacent; where perpendicular straps to run min. 600mm along joists.

All new work to be tooth bonded to existing and cavities to be continuous



Detail 1 - Eaves Detail
Scale 1 : 10



Detail 2 - Roof & Wall Junction
Scale 1 : 10

Ground floor slab to be built up with a 100mm ground bearing slab with A142 mesh reinforcement. Proprietary telescopic void ventilators to be provided, min. 75mm above ground level and to give equivalent free airflow of 1500mm² per m run of wall.

60mm Kingspan Kooltherm K103 floorboard to be provided over the DPM. Boards to be loose laid, break bond, with joints tightly butted. Laid in accordance with manufacturers recommendations. Floor build up to achieve min. U-value of 0.22 W/m²K. Allow for the provision of a vertical strip of 20mm Kingspan Kooltherm K108 cavity board to the screed depth of 65mm.

Any existing air bricks to be continued underneath proposed floor build up to new vents / air bricks via 100mm ductwork.

1200 gauge damp-proof course laid below concrete slab, lapped up and over wall construction min. 150mm above ground level.

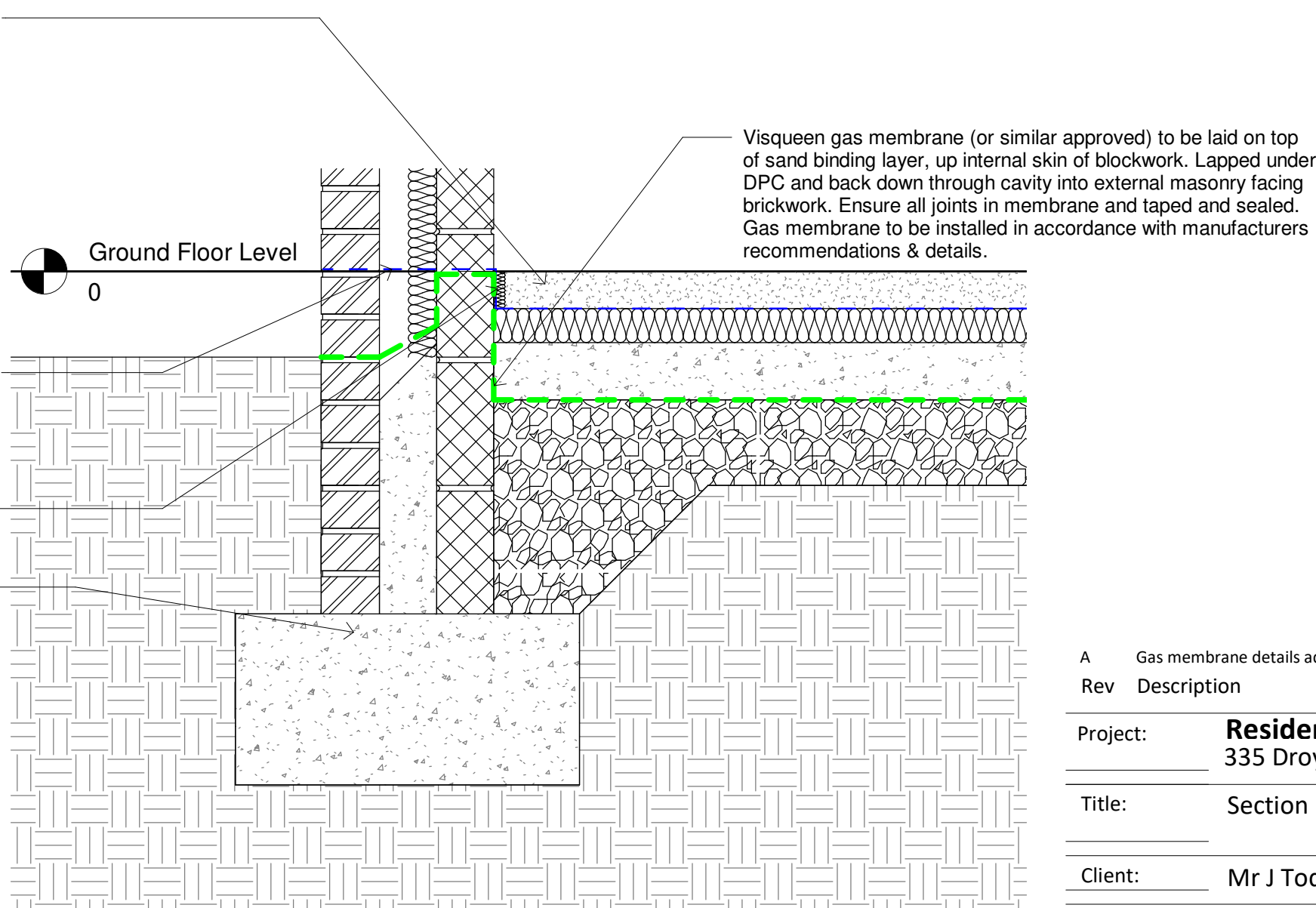
DPM to be laid below sand & cement screed and lapped over DPC.

20mm Kingspan Kooltherm K108 cavity board to the screed depth of 65mm.

New foundations to consist of concrete strip footings to satisfaction of Building Control Officer. Brick work below ground level and cavities fully filled with foamglas insulation.

Depth of foundations to be determined on site with a min. 750mm cover to ground. All to be in accordance with Structural Engineers' details & in agreement with Building Control.

All foundations are to be according to Structural Engineers details & specification.



Detail 3 - Floor & Foundation Detail
Scale 1 : 10

© This Drawing & Design is the copyright of TM Architecture Ltd and should not be reproduced without written consent.

Contractors are to check all levels & dimensions on site prior to site works commencing & report discrepancies to the Designers.

DO NOT SCALE FROM THIS DRAWING

FOR CONSTRUCTION

0m 0.4m 0.8m 1.2m 1.6m 2m

Scale Bar 1:20 @ A1

0m 0.2m 0.4m 0.6m 0.8m 1m

Scale Bar 1:10 @ A1

A	Gas membrane details added into detail 3.	TM	TM	06.06.2021
Rev	Description	by	Chk by	Date
Project:	Residential Extension 335 Droylsden Road, Newton Heath			
Title:	Section B-B & Typical Details			
Client:	Mr J Todd			
Drawn By:	TM	Checked By:	TM	on 03.05.21
Original Size:	A1	Project Number:	TMA-1017	
Drawing Number:	B1-XX-DR-A-4001			REV A