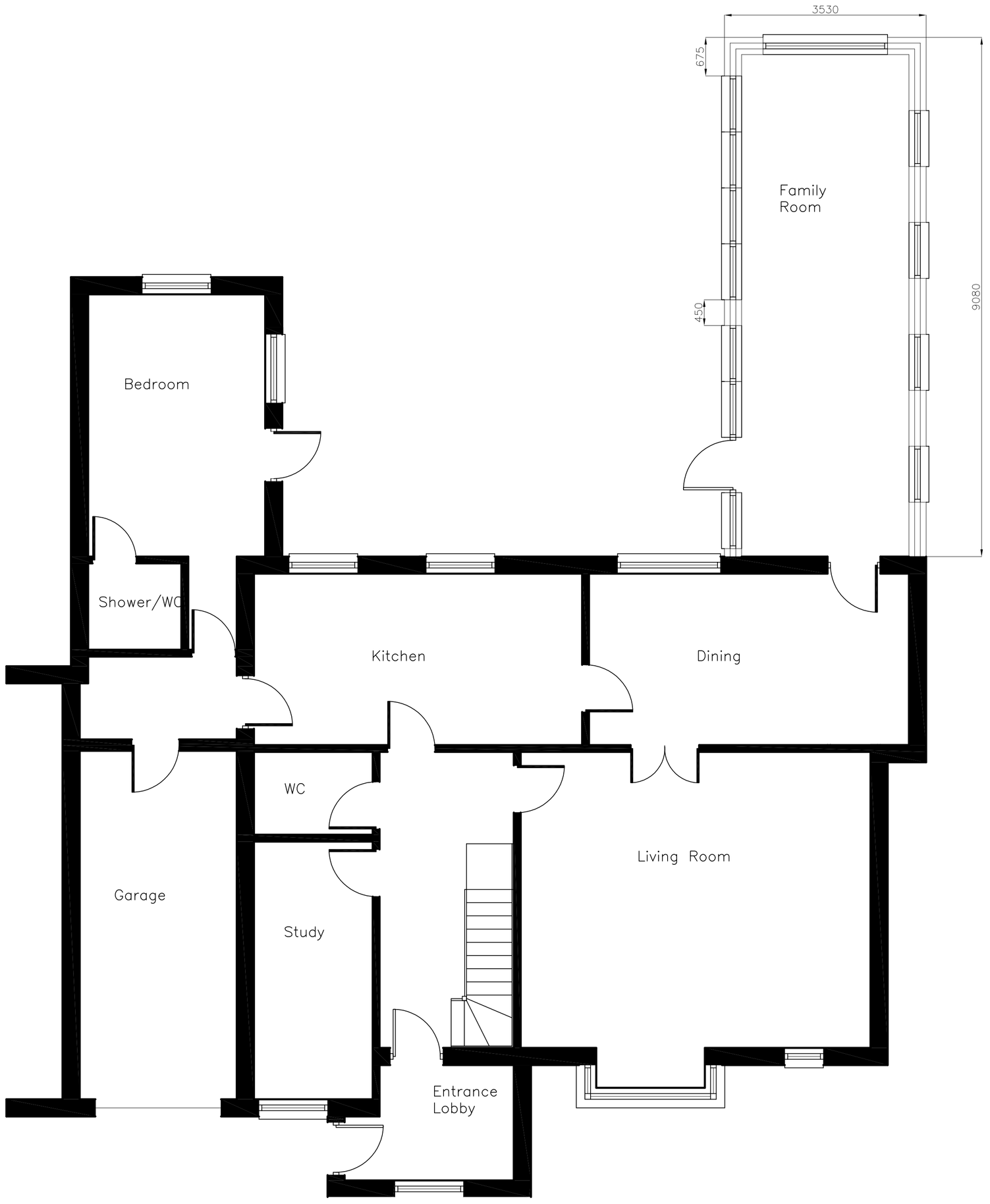


Ground Floor Plan As Proposed (1:50)

Roof Structure – Warm Roof – (U value 0.18Wm²K)

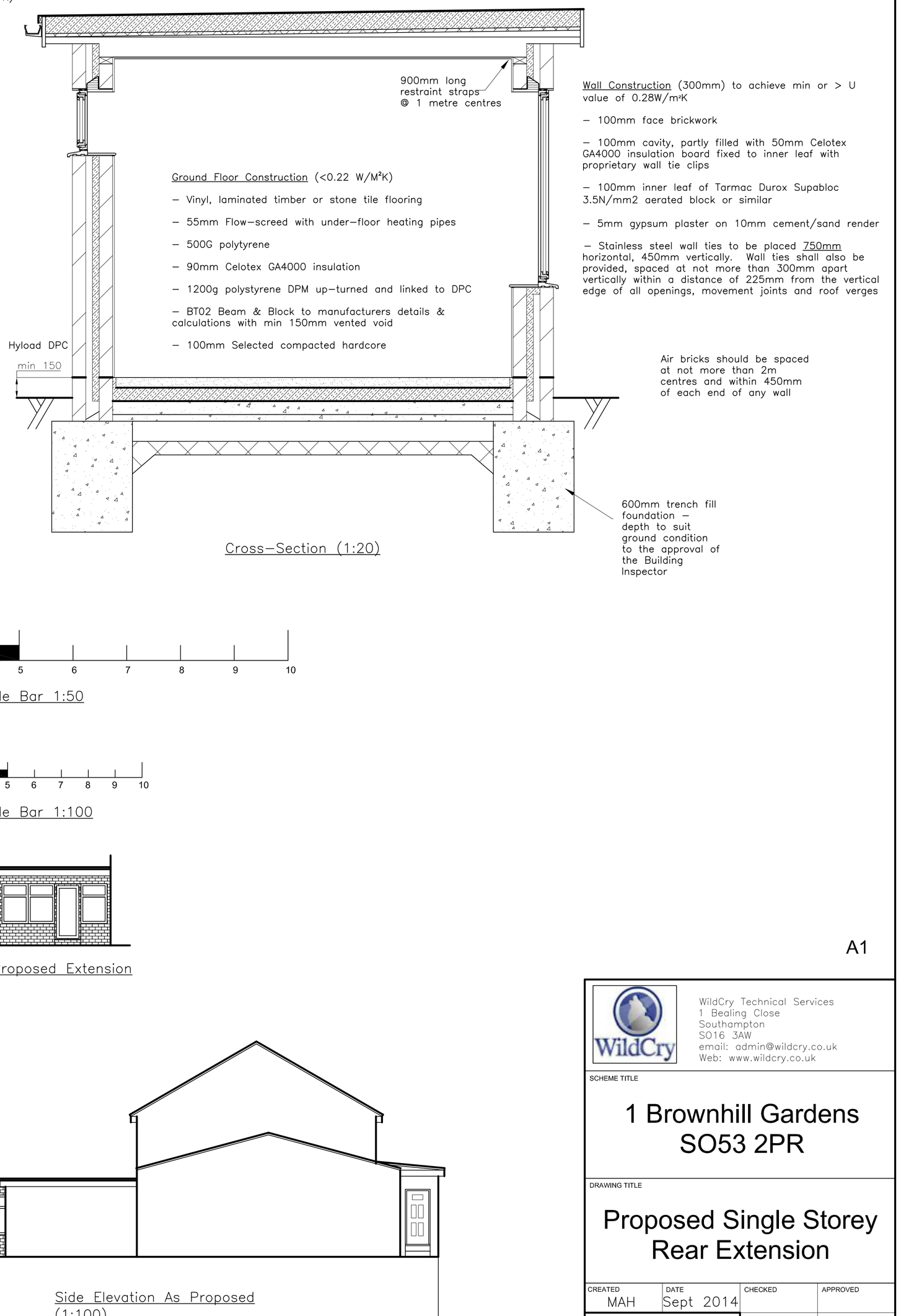
– 3 Layer Felt System

– Celotex EL3000 130mm insulation (or similar) fully bonded

– 25mm WBP plywood decking

– 0–50mm firring pieces on 50 x 150mm C16 treated joists @ 400mm centres

– 9.5mm plasterboard



Cross–Section (1:20)

Ground Floor Construction (<0.22 W/M²K)

– Vinyl, laminated timber or stone tile flooring

– 55mm Flow–screed with under–floor heating pipes

– 500G polytyrene

– 90mm Celotex GA4000 insulation

– 1200g polystyrene DPM up–turned and linked to DPC

– BT02 Beam & Block to manufacturers details & calculations with min 150mm vented void

– 100mm Selected compacted hardcore

Wall Construction (300mm) to achieve min or > U value of 0.28W/m²K

– 100mm face brickwork

– 100mm cavity, partly filled with 50mm Celotex GA4000 insulation board fixed to inner leaf with proprietary wall tie clips

– 100mm inner leaf of Tarmac Durox Supabloc 3.5N/mm2 aerated block or similar

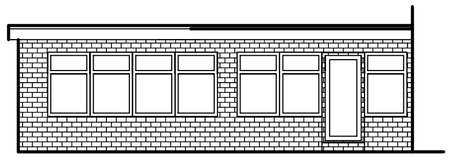
– 5mm gypsum plaster on 10mm cement/sand render

– Stainless steel wall ties to be placed 750mm horizontal, 450mm vertically. Wall ties shall also be provided, spaced at not more than 300mm apart vertically within a distance of 225mm from the vertical edge of all openings, movement joints and roof verges

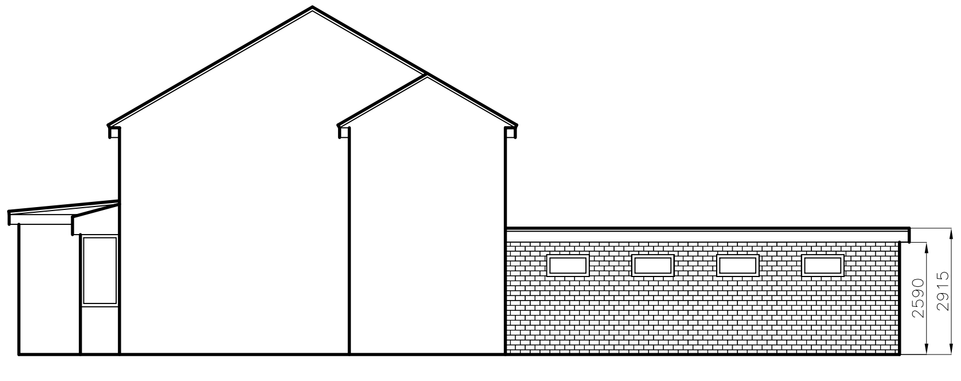
Air bricks should be spaced at not more than 2m centres and within 450mm of each end of any wall

Scale Bar 1:50

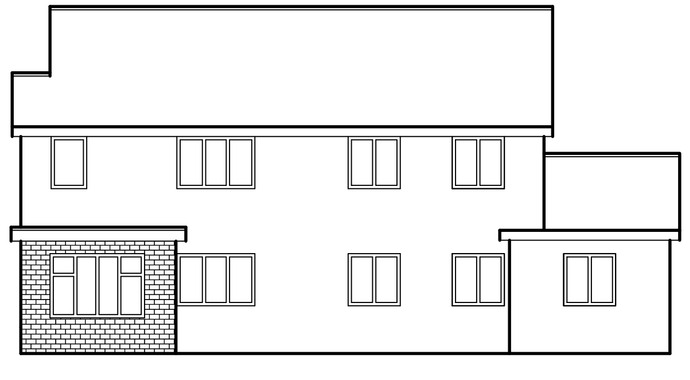
Scale Bar 1:100



Side Elevation of Proposed Extension



Side Elevation As Proposed



Rear Elevation As Proposed

Side Elevation As Proposed (1:100)

A1

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SCHEME TITLE

1 Brownhill Gardens
SO53 2PR

DRAWING TITLE

Proposed Single Storey Rear Extension

CREATED	DATE	CHECKED	APPROVED
MAH	Sept 2014		

DRAWING NUMBER	PROJECT NO.	SCALE
Brown001		As Shown

REVISION	DWG. SHEET
REV	1_OF_1