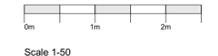


Notes

Do not scale off this drawing except for planning purposes
 Check all dimensions on site before any work commences
 All goods, materials and workmanship must conform to current building regulations, british standards and codes of practice.
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Drawing to be printed A1



Notes:

- 89 x38mm Treated Softwood Studwork - Fully Filled Rockwool.
- 11mm OSB2 fixed to one side as sheathing.
- RWA45 insulation slabs as light friction fit - Finish both sides 12.5mm sound block plasterboard. Cementitious fibre backer board as substrate for filling gypsum set coat finish 3mm Thk. Refer to SE Calcs
- Partly Wall - 0.00W/mK - U Value
- 12mm Soundblock plasterboard on dabur gypsum set coat finish 3mm Thk
- Pro Clima Aerossana Viscom - Applied to blockwork
- 100mm Dense blockwork on mortar beds
- Full fill cavity
- 100mm Knit Masonry party wall slab (0.037 Lamda) Staircases acoustic wall ties - refer to acoustic notes.
- 100mm Dense blockwork on mortar beds
- Pro Clima Aerossana Viscom - Applied to blockwork
- 12.5mm Soundblock plasterboard on dabur gypsum set coat finish 3mm Thk
- External Wall - Blockwork with render - 0.16W/mK - U Value
- 15mm Anqapac/Plaster Dabur
- 12.5mm Standard Plasterboard (0.21 W/mK)
- Pro Clima Aerossana Viscom - Applied to blockwork
- 100mm Thermally Insulating Brick on mortar beds (0.18W/mK)
- 115mm Full Fill Calceus ThermoClass T&G PIR Insulation (0.021W/mK)
- 100mm Max Residual Cavity High Emisivity
- 100mm Medium Density Aggregate Block on mortar beds (0.57W/mK)
- 10mm Silicone polymer modified render
- External Wall - Brick Plinth - 0.16W/mK - U Value
- 2.5mm Standard Plasterboard (0.21 W/mK)
- 15mm Anqapac/Plaster Dabur
- Pro Clima Aerossana Viscom - Applied to blockwork
- 100mm Thermally Insulating Brick on mortar beds (0.18W/mK)
- 115mm Full Fill Calceus ThermoClass T&G PIR Insulation (0.021W/mK)
- 100mm Max Residual Cavity High Emisivity
- 100mm Medium Density Aggregate Block on mortar beds (0.57W/mK)
- 100mm surface brickwork outer leaf (0.77W/mK)
- Block & Beam Ground Floor - 0.11W/mK
- 75mm Sand & Cement. Screed reinforced screed & wet UFH matrix (1.15 W/mK)
- 500 Gauge polythene insulating layer. 100mm Rigid Extruded EPS floor joists
- 1200 Gauge DPM to comply with BS 8500-2 Forming air tightness layer
- Continuous with DPC. Beam & Block floor to specialists manufacturers design & specification. 300mm Clear uninterrupted ventilation void to be maintained under new beam and block floor construction including ventilation. 50mm Thk Concrete screed
- Intermediate Floors
- 22mm Egger Protect TG4. Floor joists Norm 254mm Deep Metal Web floor joists refer to SE Calcs all to suppliers design specification. Paralell floor joists on intermediate floors with 100mm Thk Knit Acoustic Insulation Roll as light friction fit with no gaps. 12.5mm sound block plasterboard scribe all joints prior to skimming. Gypsum skim coat plaster finish
- Pitched Roof - Cold Roof - Insulation at Ceiling Level - 0.11W/mK
- S&M Redland Duoplain Interlocking Tilt treated slat battens.
- 38 x38mm SW counter battens over rafters. Breather membrane
- C24 SW treated rafters to SE Calcs.
- SW treated ceiling joists to SE Calcs
- 500mm (200 x100x100mm) The Knit Acoustic Insulation Roll as light friction fit cross laid between & over ceiling joists. Tight friction fit.
- 19mm Service void between - 19 x38mm battens at 600mm o.c.
- 12.5mm Plasterboard with gypsum plaster skin

- Level access threshold
- Incoming water supply isolator
- Garden tap

Heating

Air source heat pump (104570)
 Mitsubishi Ecodon 5.0KW PUZ-WM50VHA
 ASHP installed externally.
 MEL Cloud control.

Space Heating - 35°C Flow Temperature
 Ground floor UFH wet mats installed in screed.
 1st & 2nd floor radiators

Water Heating - From main water
 Mauboulin EHP721X-UH-DW15 HWC
 Volume: 210
 Heat Loss: 1.53 (kw/h/day)
 Heat Transfer Area: 3m2

Controls - Time/Temp; temperature zone control by arrangement

EV Charging

Each dwelling to be wired with fast charge EV socket.
 7KW max. Type 2 connector 30amp

Ventilation MEV & MVHR

Centralised MEV & MVHR 500447
 Vent-Axia Kinetic Advance S. Model 405215.
 Semi rigid radial ducting.
 All ducting installed exclusively inside heated envelope.

Water Efficiency Measures AD, Part G

Refer to Fluidity Energy Surveys. Energy report for calculated efficiency of sanitary and water using fixtures.

Air Permeability

Design Air permeability < 4m3/m2 at 50Pa for all plots except Plot 4 at < 3m3/m2 at 50Pa Units to be tested as follows:
 1. Pre completion, prior to installation of finishes and fittings to allow to optimise result.
 2. Completion.

Windows & Doors

Windows - UPVC Flush Casement windows double glazed 1.4w/m²K, Double Low - E-Soft 0.05. G Value 0.63
 Half Glazed Doors - Factory Finished door set
 Composite double glazed 1.4w/m²K, Double Low - E-Soft 0.05. G Value 0.63
 Glazed - Sliding Folding Doors - Powder coated factory finished, thermally broken aluminium, double glazed 1.4w/m²K, Double Low - E-Soft 0.05. G Value 0.63

- Movement joint in masonry - debonded ties
- French drain
- Linear/slot drain



Building Regulations

RevID	Transmitted By	Transmittal Set Date	Layout Comment

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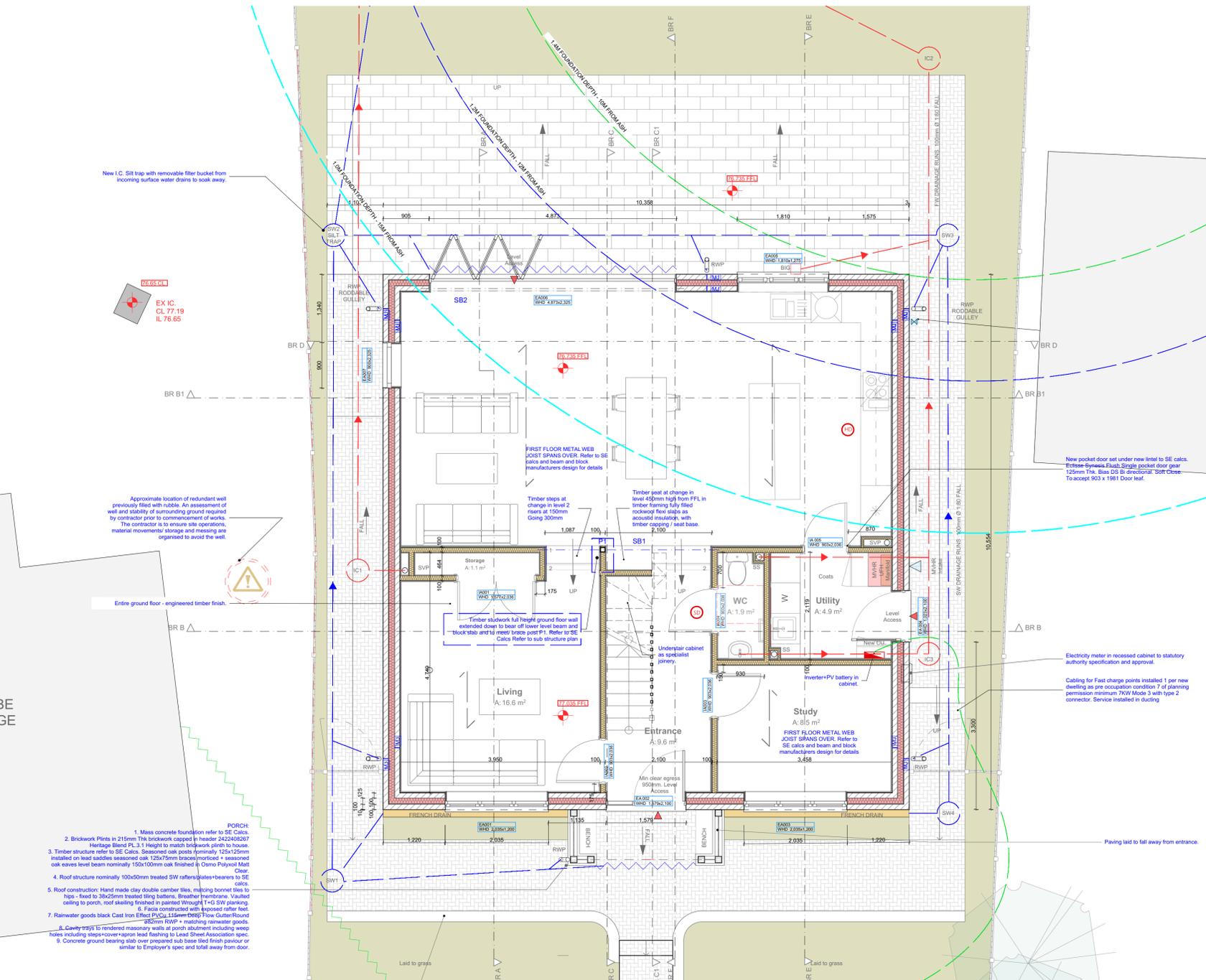
Client: Chris & Jo Equi

Address: Coombe Cottage
 Church Road
 Mannings Heath
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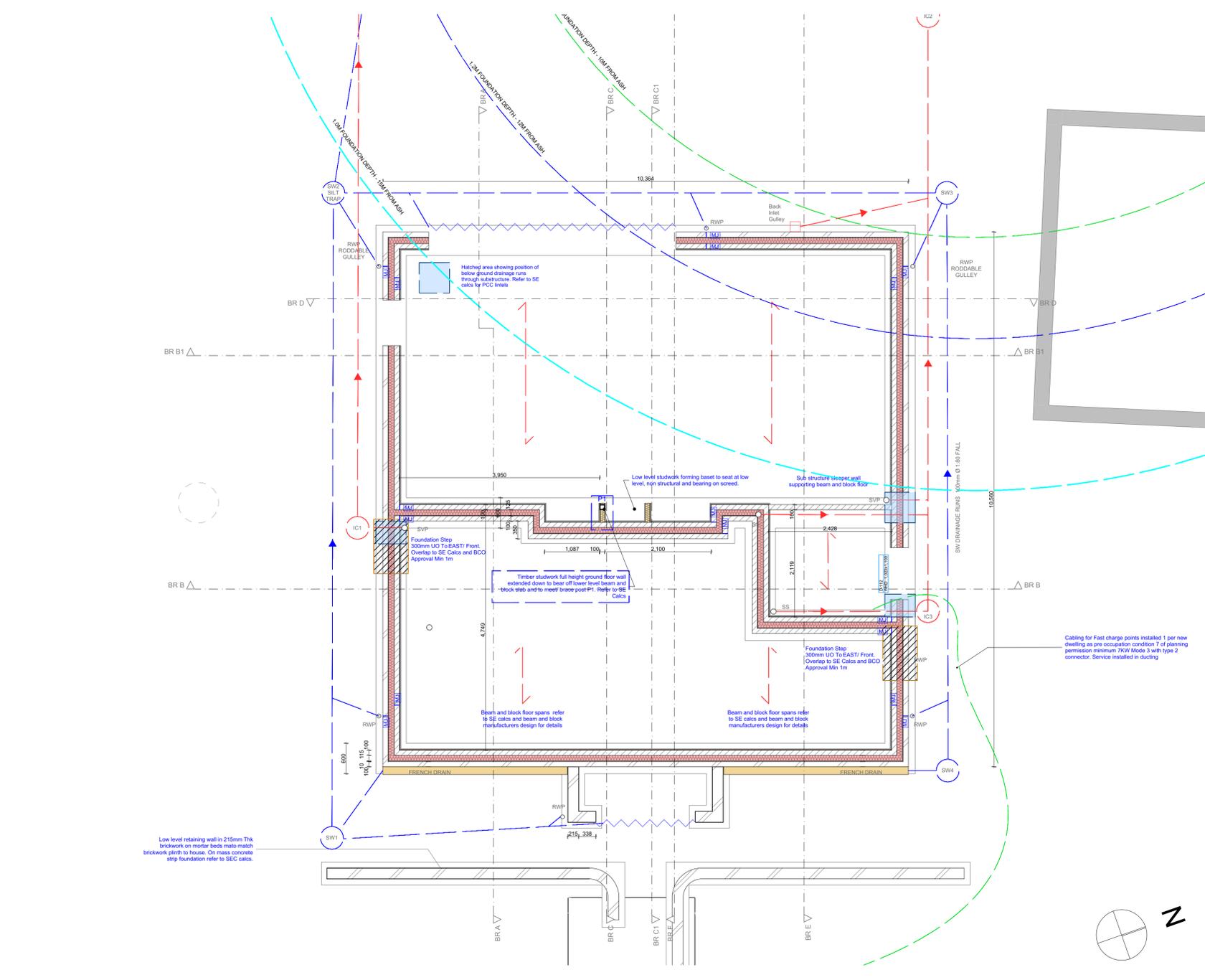
Description: BR GA S/Structure - Ground Floor

Scale: 1:50 Date: Oct '25
 Drawn: BI Checked: RM

Drawing No: 643 / 401C



BR GA Ground Floor



BR GA Foundations

BE GE

