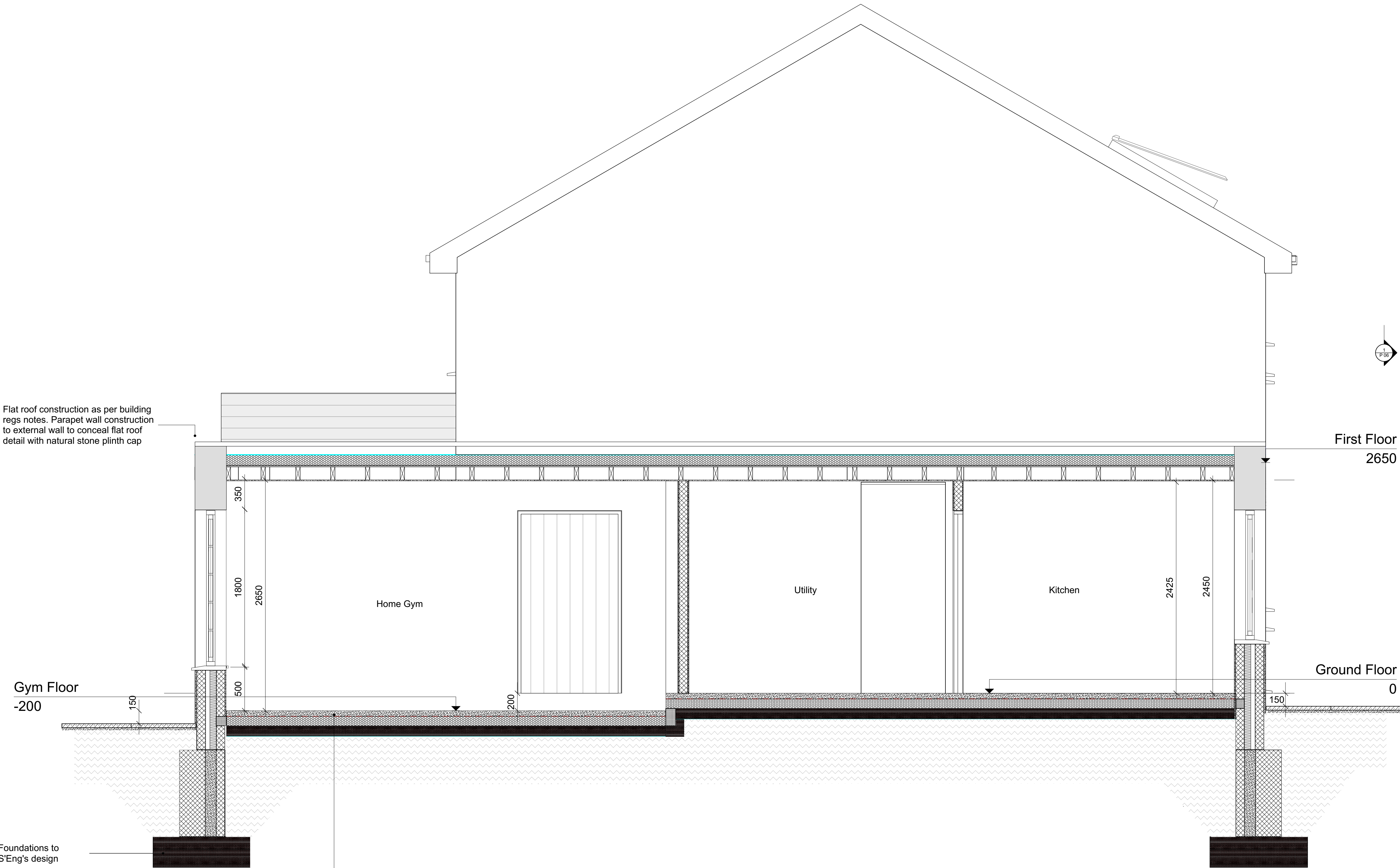


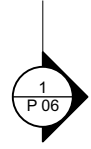
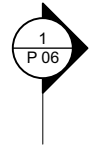


Flat roof construction as per building regs notes. Parapet wall construction to external wall to conceal flat roof detail with natural stone plinth cap

Gym Floor
-200

Foundations to S'Eng's design
Lower level floor to Home Gym to allow for additional headspace. Floor construction as per notes on Dwg P05 - Proposed Floor Plans

P07 .02 PROPOSED CROSS SECTION A-A
SCALE 1:25 @ A1, 1:50 @ A3



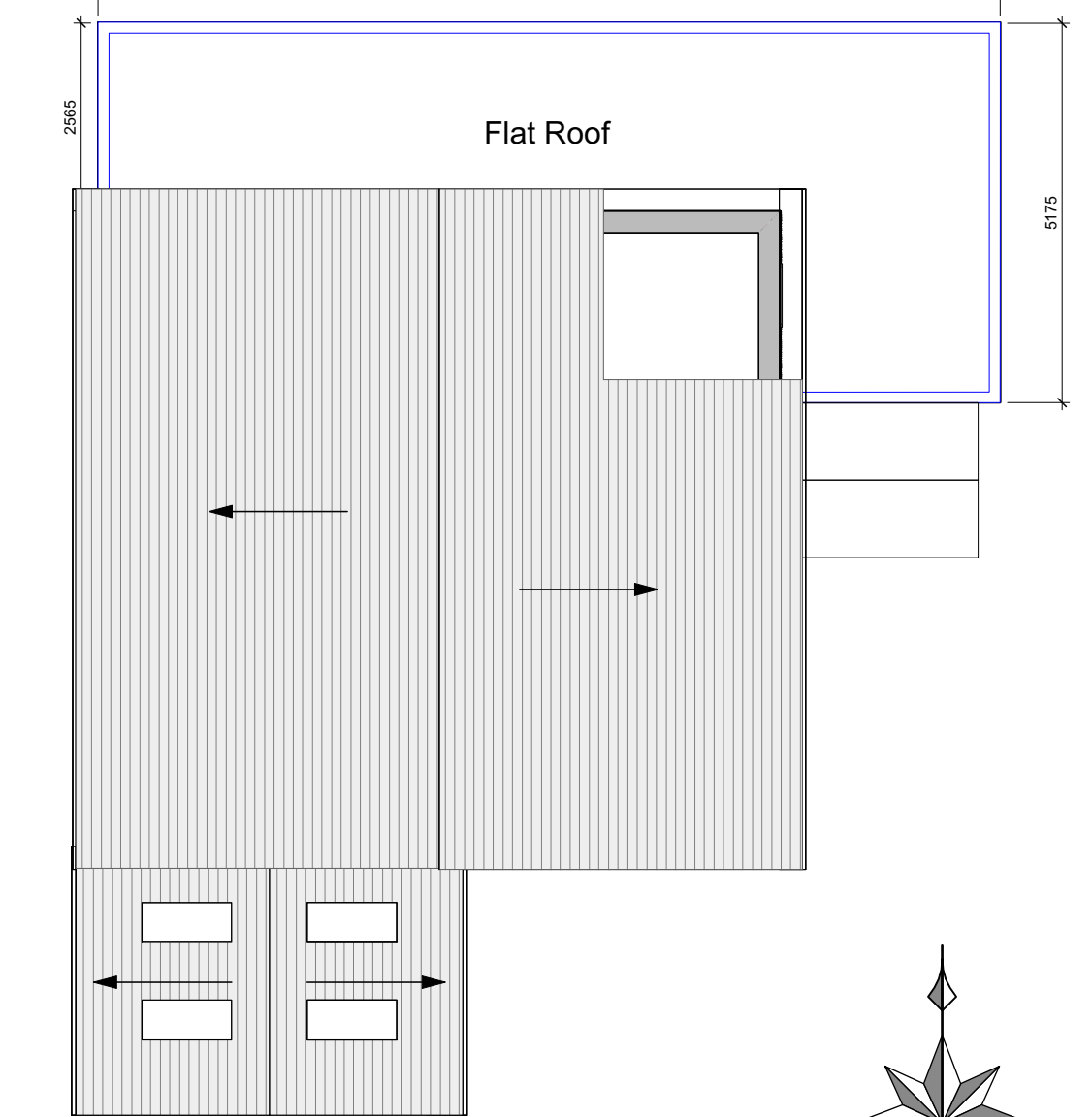
Notes:

Responsibility is not accepted for errors made by others scaling from this drawing.

All construction information should be taken from figured dimensions only. Dimensions are in millimetres unless otherwise stated.

All dimensions and conditions are to be checked on site prior to preparing drawings or commencing any work.

Any variations or supplementary drawings are to be approved by The Architect.



P07.01 PROPOSED ROOF LAYOUT
SCALE 1:100 @ A1, 1:200@ A3

BUILDING REGULATIONS: SUPERSTRUCTURE

- PITCHED ROOFS:**
To be constructed at the same pitch as the existing and to achieve a minimum overall U-value of 0.15W/sq.m.C via:
 - Concrete tiles to match existing on 50 x 25mm treated SW battens on breatheable sarking membrane on 25 x 50mm treated SW counter-battens fixed to 150 x 50mm SW common rafters beneath through 120mm NBT Pavatherm-plus rigid sarking board with manufacturers recommended stainless steel helical fixings.
 - 150mm NBT Pavaflex insulation roof insulation inserted tightly between rafters.NBT products available from Natural Building Technologies, SOPREMA House, Freebournes Road, Witham, Essex, CM8 3UN. The underside of all rafters to be finished with 18mm OSB board (all joints being centred on rafters and taped to ensure an airtight seal), 9mm plasterboard and gypsum skim. Continuous treated SW tilting fillets to be incorporated to the bottom edges of all roofs, to ensure the continuity of both the overboard ling and sarking membrane over.
All rafters to be at 600mm maximum centres, birds-mouthed and skew nailed to a continuous 100 x 50 mm treated SW wall plate, this being:
 - strapped to the inner leaf at 1800 mm centres max. with 1200 x 30 x 5 mm once bent galvanised MS straps, or
 - bolted to steel beams at 1800 mm centres max. with M8 BZP bolts, nuts and washers.The end 3 rafters are to be similarly strapped to the gable end walls at 1800mm c/c max, 200 x 50mm SW nogginns being incorporated between these rafters and to which the straps are to be fixed. Wall plate's to cavity walls to be bedded on 10mm water-resistant board cavity closer separated from external leaf by a continuous pitch polymer DPC.

BUILDING REGULATIONS: NOTES

- LEAD FLASHINGS:**
To be incorporated within all roofs as follows:
 - Horizontal Abutments: Code 4 lead cover flashings of 1.5m maximum length below continuous pitch polymer cavity trays at all junctions of roof finishes and external cavity walls. Preformed DPC trays are therefore required to be inserted into all existing walls e.g. Type E from Cavity Trays of Yeovil Ltd. Flashings are to have a minimum cover of 150mm and 225mm to all flat roof upstands and pitched roof finishes respectively, the flashing being dressed and clipped to seal the junction.
 - Sloping Abutments: Preformed cavity trays with integral code 4 lead apron flashing at all junctions of pitched roof finishes and external cavity walls. Code 3 lead soakers are to be integrated with each tile, their length being equal to the gauge + lap + 25 mm and not less than 75 mm upstand and more than 100 mm underlap.

COVER FLASHINGS: Code 5 lead flashings, not more than 1500 mm long and lapped not less than 100 mm. Overlap to upstand not less than 75 mm.

Note: Where cover flashings are chased into existing walls, the chase is to follow an existing joint, cleanly raked out a minimum of 25mm, with sealant above the lead.

SOAKERS AND STEP FLASHINGS AT SIDE ABUTMENTS:

Code 3 lead Soakers with length equal to slate gauge + lap + 25 mm. Lead soaker to have not less than 75 mm upstand and more than 100 mm underlap

Lead step flashings to be code 4, length and lap as cover flashings with overlap to soaker upstands of not less than 65 mm.

- ABOVE GROUND SURFACE WATER DRAINAGE:**
Polyester powder coated metal gutters and downpipes. The latter to discharge via 75 mm matching downpipes to the below ground drainage system via Back Inlet gulley's, complete with rodding eyes (RE) where indicated.
- ABOVE GROUND FOUL DRAINAGE:**
To be PVC to BS 5255 with 75 mm anti-syphonic deep-seal traps fitted to all outlets (38 mm wastes to shower and 32 mm to Whb) and discharging to underground foul water drainage system via either:
 - Branch discharge pipes to external gully's, or
 - 100mm diameter soil and vent pipes.All pipework visible externally to be black, the length and slope of all branch discharge pipes not exceeding the dimensions stated in Diagram 3 to Document H1 of the Building Regulations. Rodding access to be provided to all changes of direction.

NO.	DATE	REVISION	BY
CLIENT			
Cerith & Kimberley Davies			
PROJECT			
Proposed two-storey side extension			
DRAWING TITLE			
Proposed Cross Section A-A			
DRAWN/CHECKED	SCALE	DATE	DRAWING NO.
GWLT	1:25 @ A1, 1:50 @ A3	23/07/2021	P 07

DO NOT SCALE FOR CONSTRUCTION PURPOSES • ALL DIMENSIONS TO BE CHECKED ON SITE • NOTIFY ARCHITECT OF ALL DISCREPANCIES • THIS DRAWING IS COPYRIGHT