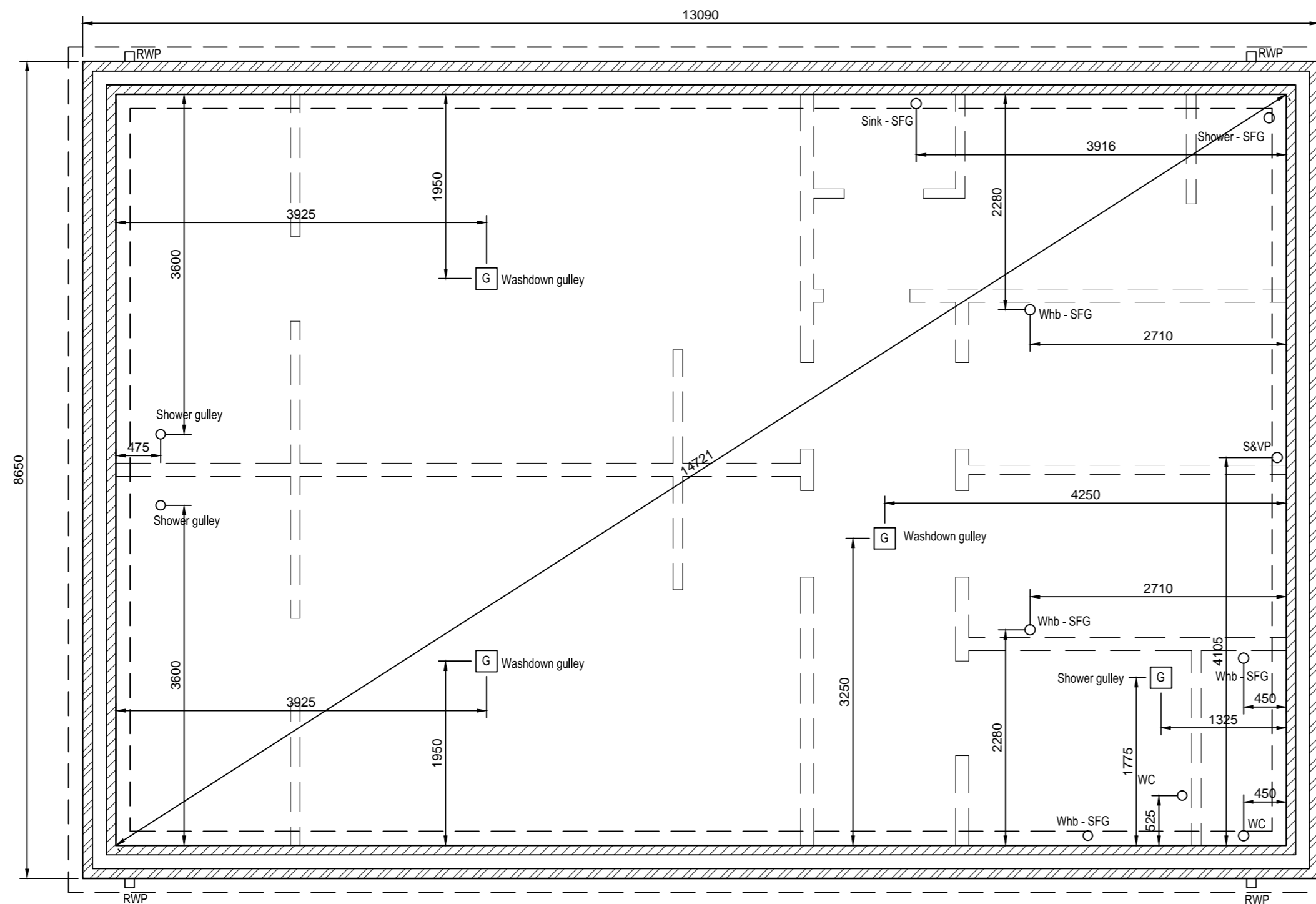


N.B. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT STRUCTURAL ENGINEER'S DETAIL DRAWINGS.



B. 20.10.16. Drainage outlet positions dimensioned  
 A. 11.08.15. Cavity width increased to 150mm.

Rev.	Date	Revision

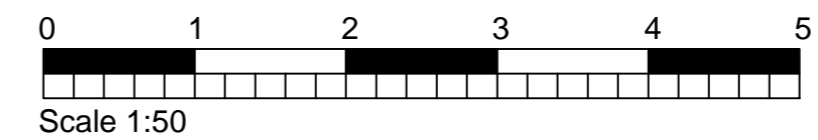
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 Staffordshire

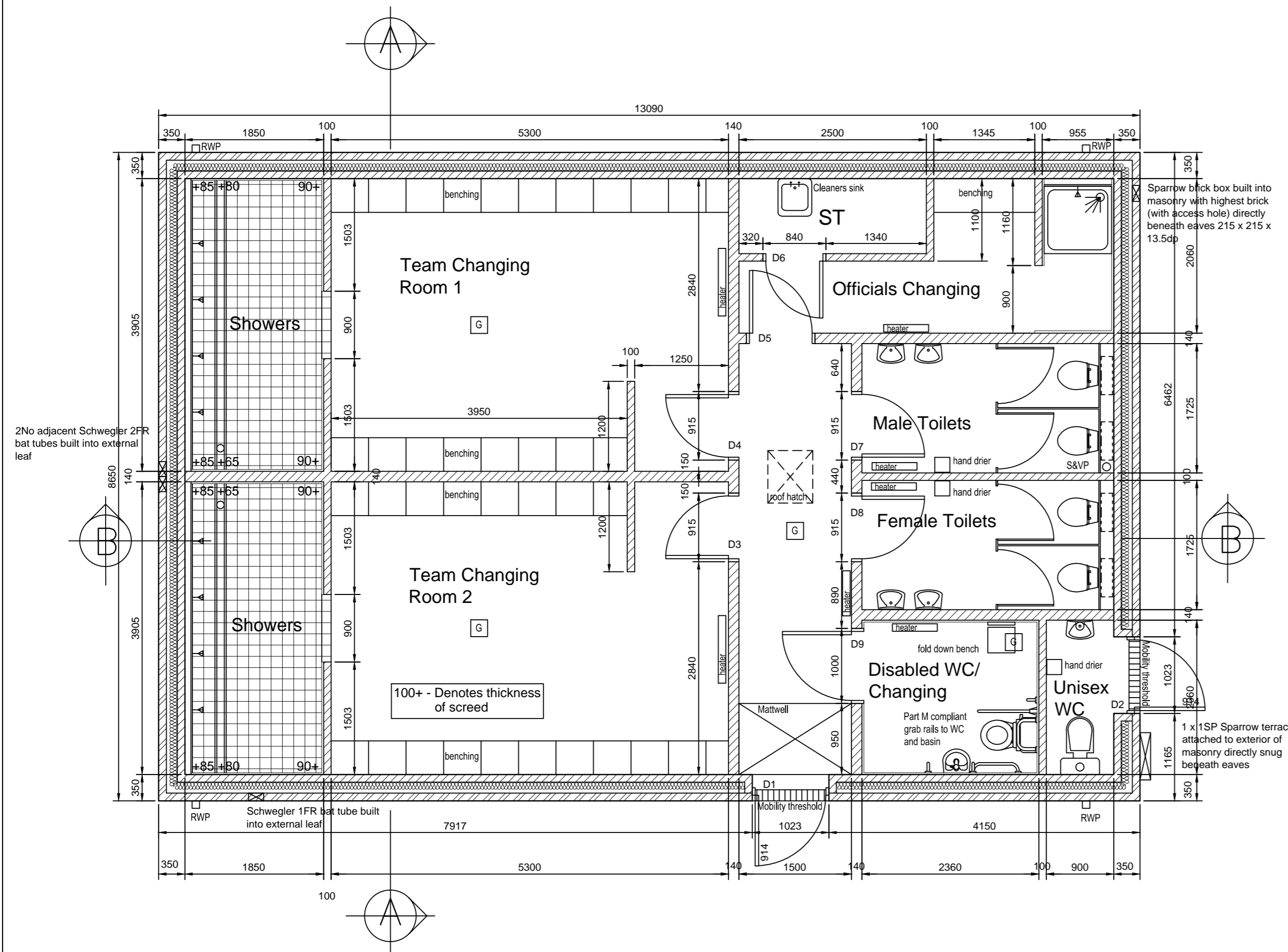
Title  
**Indicative Foundation Plan**

Scale **1:50 @ A2**  
 Date **June 2015** | Drawn **AKS**

Org. no **1534** | **100** | Rev **A**



**N.B. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT STRUCTURAL ENGINEER'S DETAIL DRAWINGS.**



**FOUNDATIONS**

Trench fill or strip concrete footings to engineers design take down to a depth to suit design bearing strata and a minimum of 1m. Depth to be agreed on site with building control officer.

**WALLS UP TO DPC**

350mm wide cavity wall comprising outer leaf of 103mm class B semi engineering quality brickwork with a 147mm cavity and an inner leaf of 100mm solid concrete blockwork (compressive strength to engineers design) Leaves of masonry tied together with stainless steel ties at 750mm centres horizontally and 450mm vertically in staggered formation. Cavity to be filled with weak mix concrete up to GL with top chamfered to fall away from interior of building.

**DPC**

Horizontal dpc to be a minimum 150mm above adjacent ground level and to be 500 microns black polythene to BS 6515 1984. DPC to be stepped as necessary to maintain 150mm clearance at mobility thresholds.

**GROUND FLOOR**

75mm sand cement screed on 150mm reinforced concrete slab to engineers design on 1200g polythene dpm dressed under wall dpc and with 300mm sealed laps on 150mm Thermal Economics Platinum rigid insulation board (TC - 0.03W/mK) on 25mm sand blinding on a minimum 150mm well consolidated hardcore. 30mm wide insulation strip at slab perimeter to prevent cold bridging. Screed to be laid to falls to changing room shower areas & disabled changing/WC.

**EXTERNAL WALLS ABOVE DPC**

350mm cavity wall comprising an outer leaf of facing brickwork (clay bricks to BS EN771-1 with a minimum water absorption of 7-12%) 97mm cavity insulated with 100mm Thermal Economics Ultratherm, 50mm clear cavity 100mm blockwork (Max TC 0.11W/mK) compressive strength to engineers design.

**INTERNAL WALLS**

100 or 140mm lightweight concrete blockwork built off floor slab. Slab thickening may be required - see engineers details.

**LINTELS**

External wall lintels to be IG or equal galvanised mild steel insulated cavity wall lintels sized to suit openings and incorporating an integral dpm. Minimum 150mm bearings.

Internal wall lintels to be Stressline or equal approved precast concrete with minimum 100mm bearings.

**EXTERNAL DOORS**

Solid core exterior quality flush doors with painted galvanised mild steel facings set in a steel frame. Doors & frames sized as openings shown on plans - all doors to have mobility thresholds in accordance with Approved Document M and the DDA regulations. U Value 1.83W/m2K

**INTERNAL DOORS**

Solid core interior quality flush doors with hardwood veneered facings and HW edgings to sizes shown on the plans set in painted softwood door linings.

**ROOF**

Concrete through coloured interlocking roof tiles to BS EN 490 from approved supplier on treated timber tiling battens on BS 747 sarking felt Type 1F with 1m strip of Type 5U at eaves on timber trussed rafters designed installed and braced to BS 5268 Part 3 2006 with trusses at maximum 600mm centres secured with truss clips to 100x65 timber wall plates. Wall plates to be tied down to inner leaf with 30x2.5 galvanised mild steel vertical restraint straps at 2m centres (3No. screws per strap at least one of which should be within 150mm of the bottom of the strap). Provide a 686x562 proprietary insulated and draught proof loft hatch as indicated on the plans. Underside of roof trusses to be finished with 12.5mm British Gypsum Gyproc wallboard with skim finish. Ceilings to Shower areas to be moisture resistant boards.

Roof to be insulated above ceiling using 500mm mineral fibre quilt insulation (TC 0.044 W/mK) installed in layers with first layer laid between ceiling ties and subsequent layers transversely across.

Roof to be vented using soffit ventilators giving the equivalent of a 10mm continuous air path and at ridge with ventilating ridge tiles giving the equivalent of 5mm continuous ventilation. Provide Manthorp proprietary profiled rafter trays at eaves to maintain free flow of ventilation into roof space.

**RAINWATER GOODS**

Polyester powder coated aluminium box gutters with vandal resistant matching rectangular downpipes as manufactured by Alumasc or equal and approved.

**FINISHES**

**Floors -**

Generally Altro Classic 25 2.5mm thick (or equal and approved) slip resistant sheet vinyl flooring with hot weld joints complete with standard cove formers and capping seals (100mm high skirtings).

Team Changing Showers - Anti slip glazed ceramic floor tiles (Dorsel Woolscroft 148x148x9mm or equal and approved) with matching coved skirting tiles and channel tiles.

Entrance Area - Gradus Esplanade 1000 18mm closed construction - pvc wiper/scrapper to area indicated.

**Walls -**

Shower Areas - 150x150 plain colour glazed ceramic wall tiling (Pilkington or equal and approved) generally on water resistant adhesive on 15mm sand cement render backing. Tiling to shower head walls to be on 12mm Hardie Backer cement board screw fixed to treated timber studing - depth to suit shower pipe work and fittings.

Ceilings - Generally to be 12.5 plasterboard plus skim finish with moisture resistant boards to shower areas.

**DECORATIONS**

Joinery - Softwood joinery to be gloss painted. Walls generally (except where there is wall tiling) is to be finished with spray applied speckled paint finished with a clear polyurethane lacquer. Ceilings to be finished with eggshell paint.

All decorations and paint systems to be applied strictly in accordance with manufacturers recommendations/instructions.

**SANITARY FITTINGS**

All sanitary fittings to be in stainless steel, with concealed cisterns to WCs, non-compressive return type taps to basins with captive wastes. Shower pipes are to be concealed with push button controls, impulse. All water and waste pipes to be concealed in laminate faced ducts to prevent damage/vandalism with water pipes to well insulated.

**WC CUBICLES**

WC cubicles where indicated to be in SGL (solid grade laminate) with charcoal grey fittings - Bushboard Profiles range with Ezeeduct panels (or equal and approved).

**HEATING & HOT WATER**

Areas generally heated by gas fired central heating boiler with thermostatically controlled radiators.

Externally accessed toilets to have electric coil heaters with thermostats and frost controls.

Hot water supplies to toilets and kitchen with a thermostatically controlled hot water boiler to Tea Kitchen. Robust hot air hand driers to be provided to toilets

**MECHANICAL VENTILATION**

The building is to have a mechanical ventilation system to effectively remove moisture and toilet extraction from the building during use and when closed to prevent damage to the building fabric. Controls to be on 24 hour operation. All external ventilation cowls to be fitted with anti-vandal grilles

**LIGHTING**

Lighting levels to be designed to 100-150 Lux with all light fittings of low energy consumption, robust and moisture resistant. All fittings to be securely fixed to wall/ceilings. Fittings to be switch operated with movement sensor control for automatic time lapse switch off in changing and toilet areas.

C. 21.11.16. Bat tubes and bird nesting boxes noted

B. 20.10.15. Screed thickness to shower areas noted to provide information on floor falls.

A. 11.08.15. Cavity width increased to 150mm to suit 100mm cavity insulation. Store to Officials room increased by 500mm in width to suit M&E plant. Roof insulation thickness increased to 500mm. U value to external doors noted.

Rev.	Date	Revision

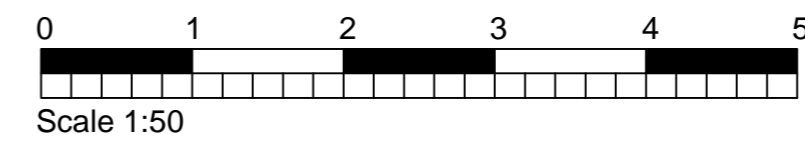
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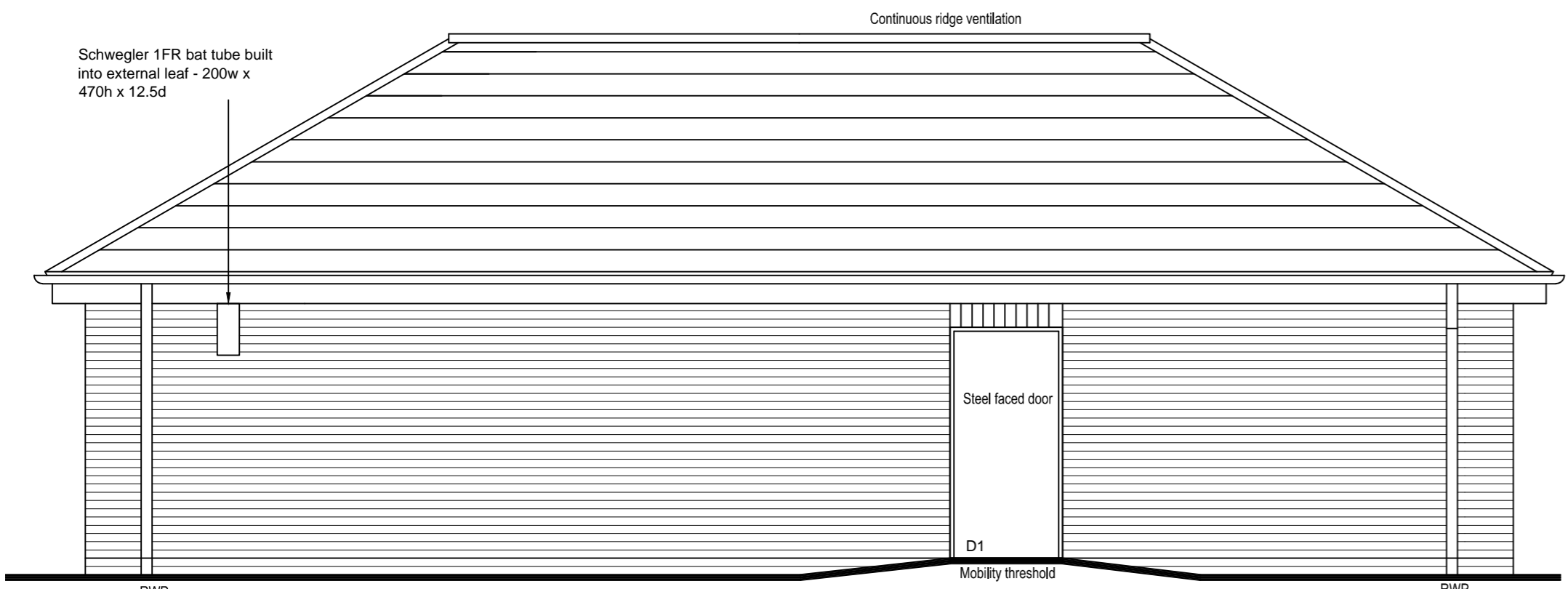
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Scale **1:50 @ A2**  
 Date **June 2015** | Drawn **AKS**

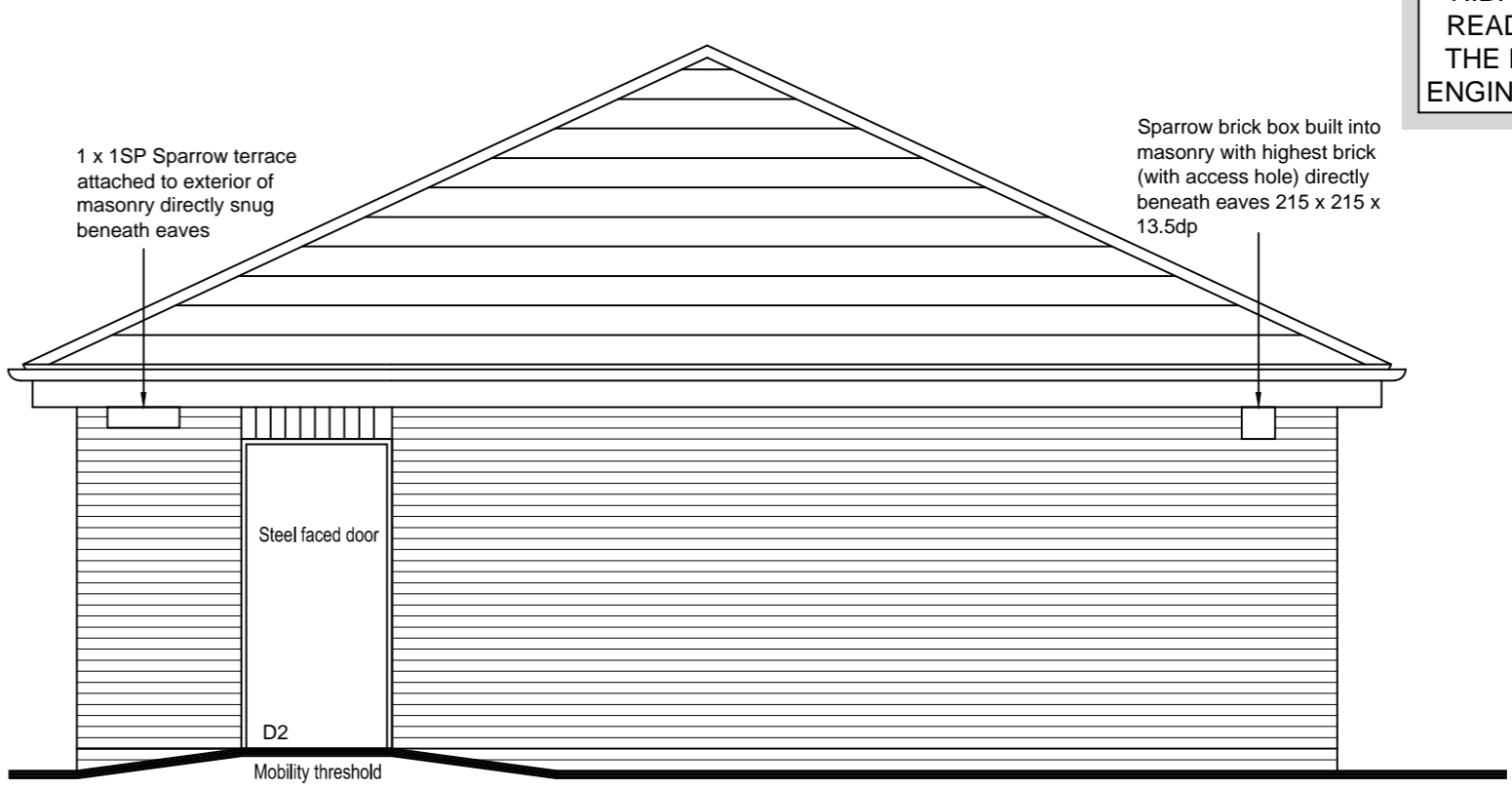
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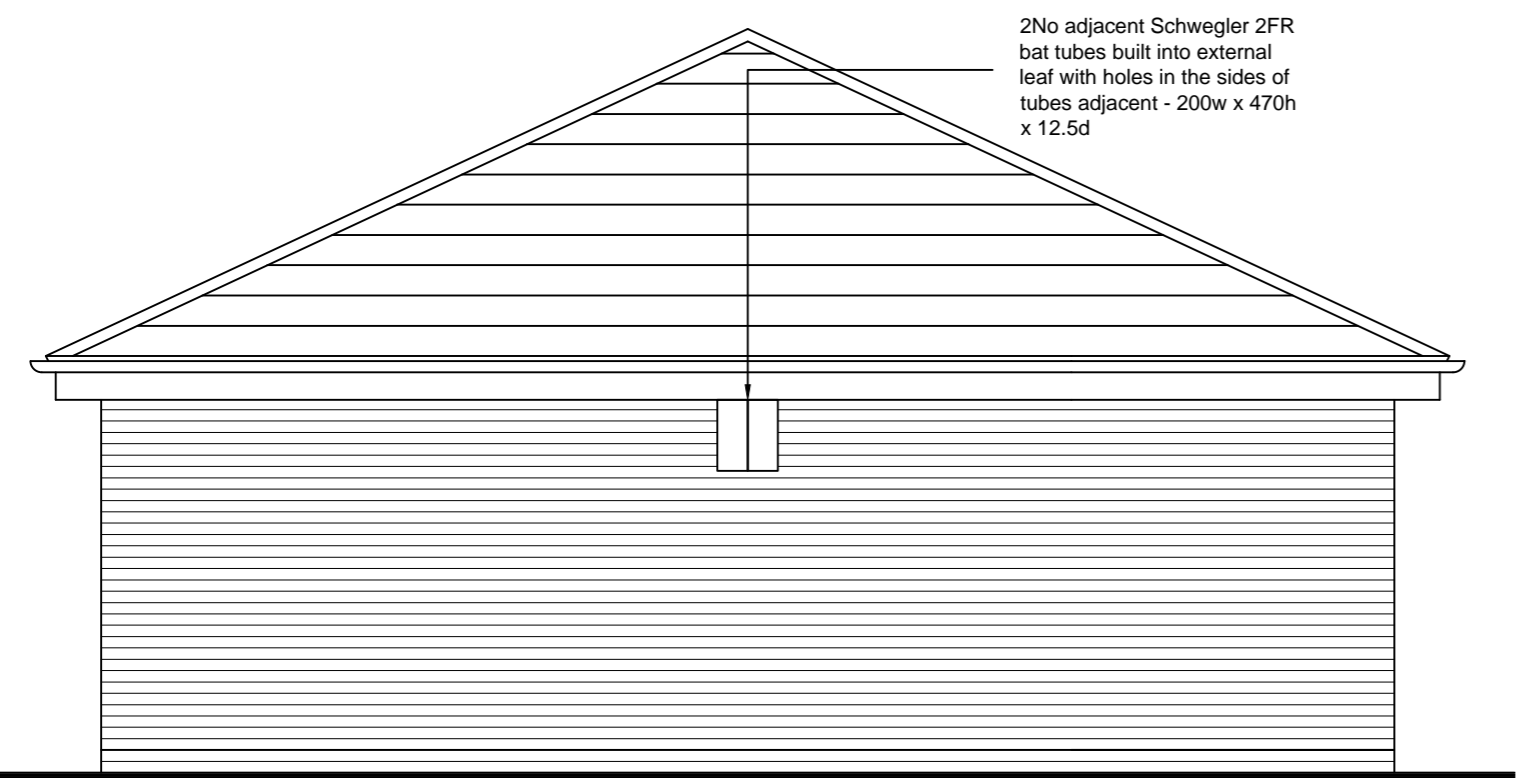
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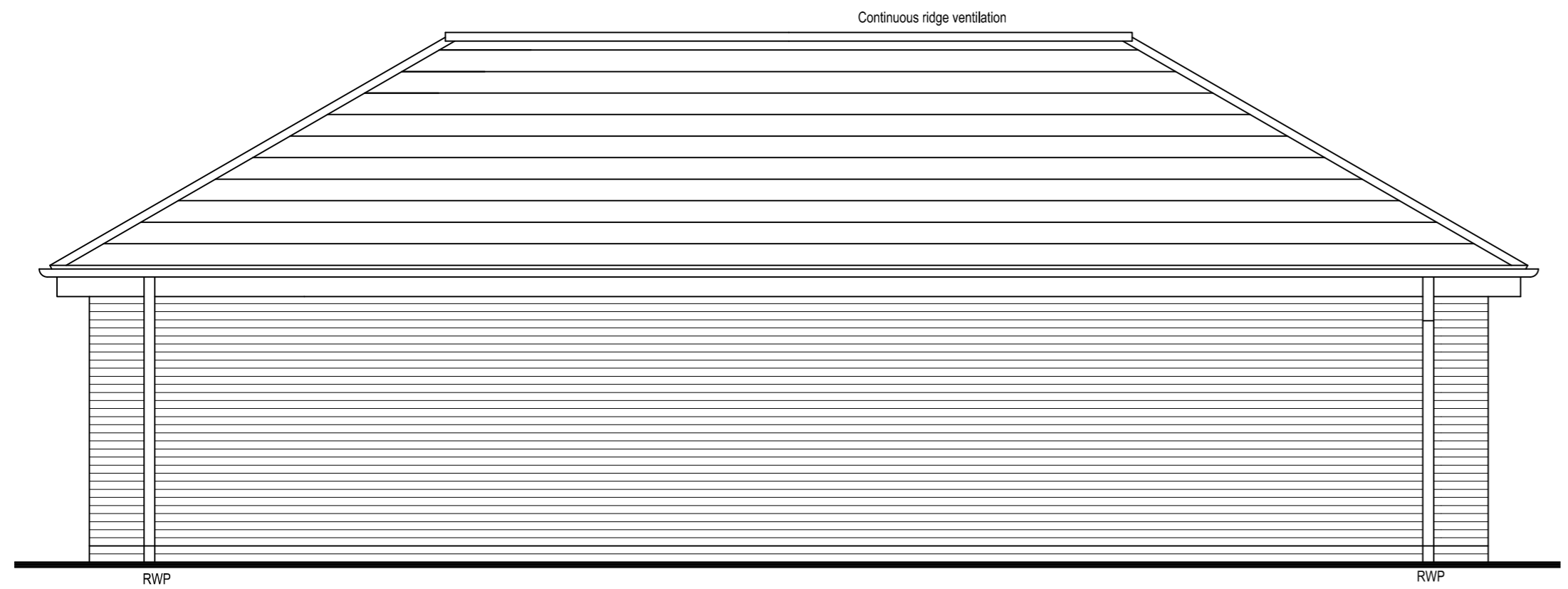
FRONT ELEVATION



SIDE ELEVATION



SIDE ELEVATION



REAR ELEVATION

A. 21.11.16. Bat tubes and bird nesting boxes added.

Rev.	Date	Revision

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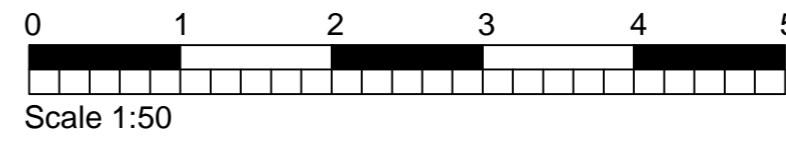
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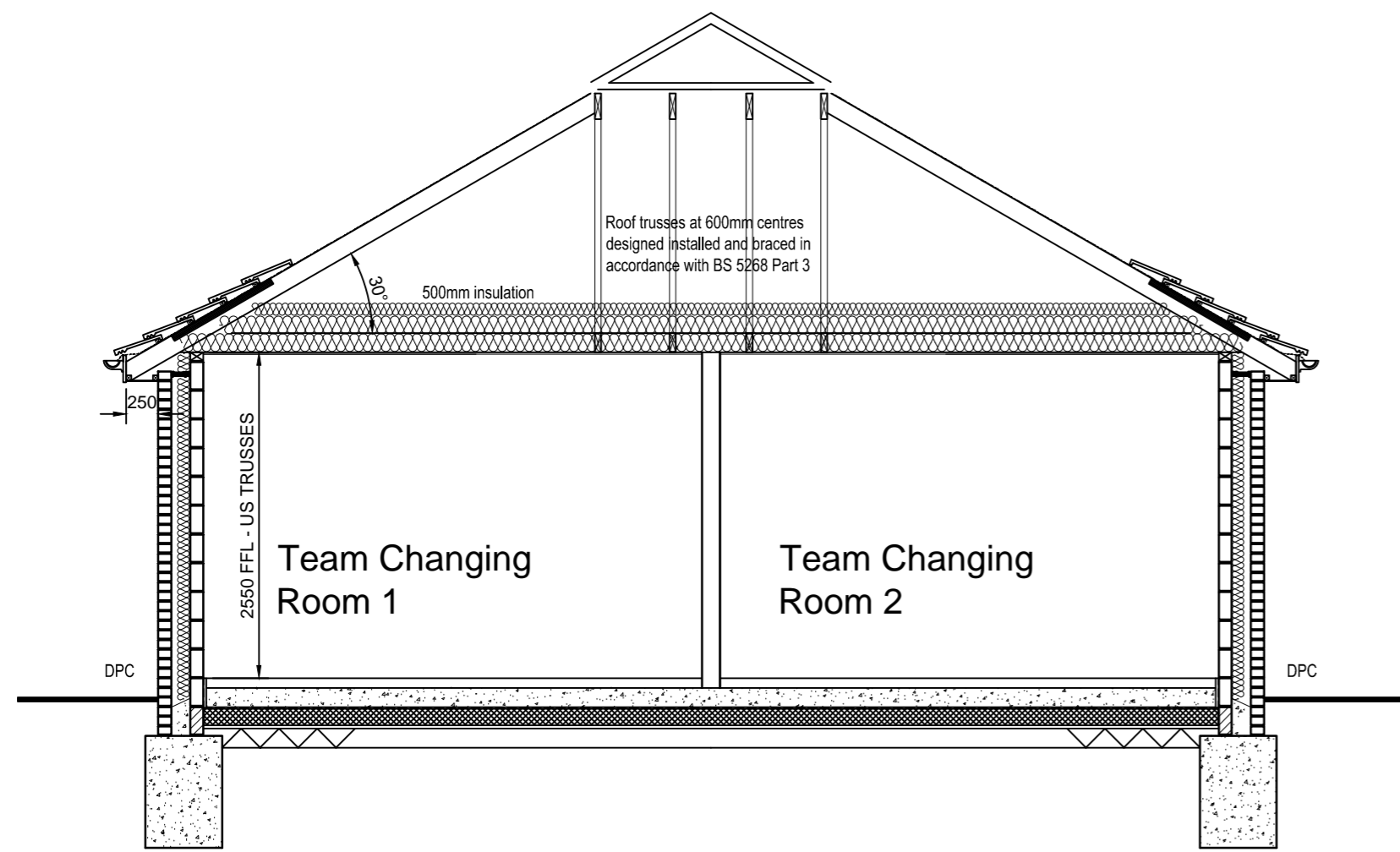
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**Elevations**

Scale **1:50 @ A2**  
 Date **June 2015** | Drawn **AKS**

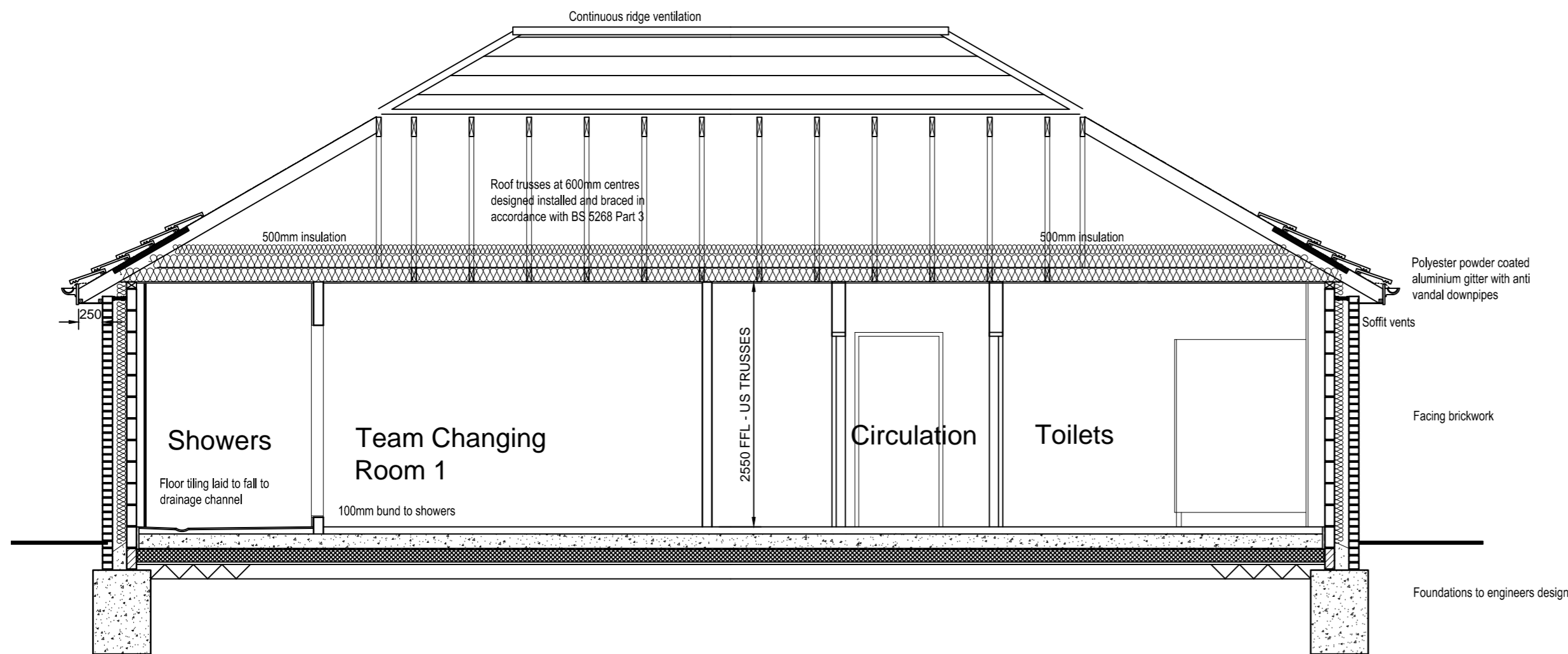
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SECTION AA



SECTION BB

A. 11.08.15. Cavity width increased to 150mm to suit 100mm cavity insulation. Roof insulation thickness increased to 500mm.

Rev.	Date	Revision

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Development  
Proposed Sports Pavilion  
Yarnfield Park  
Staffordshire

Title  
Sections A-A & B-B

Scale 1:50 @ A2

Date June 2015 | Drawn AKS

Drg. no 1534 | 103 | Rev A

