

**EXISTING EXTERNAL WALLS**  
Existing solid brickwork retained

**EXISTING INTERNAL WALLS**  
Existing internal walls retained

**INSULATION TO EXISTING EXTERNAL WALLS**  
330mm Solid brickwork  
25mm Cavity (25x47mm battens @ 600 ctrs)  
59.5mm Celotex GS5050 (50 + 9.5mm) joints taped as VCL  
Board joints sealed as VCL + Air Leakage Barrier  
3mm Plaster, lightweight skim or similar approved to give a U-value of 0.27W/m<sup>2</sup>K  
(U value of 0.29W/m<sup>2</sup>K with 215mm brickwork wall)

**BASEMENT RETAINING WALL**  
Reinforced Concrete Retaining Wall in accordance with the Structural Engineer's Specification  
Delta-MS 500 tanking layer fixed to the wall in accordance with the manufacturer's recommendations  
25 x 47mm battens @ 600 ctrs  
52.5mm Celotex PL4040 insulation  
To give a U-value of 0.24W/m<sup>2</sup>K

**NEW EXTERNAL CAVITY WALL**  
External Brick leaf 102.5 mm thick  
100mm ventilated cavity use (low emissivity) - Stafix RT2 wall ties  
45mm thick Celotex CW4000 or similar approved thermal insulation applied to external face of inside leaf  
100mm blockwork to the Structural Engineer's Specification  
To give a U-value 0.28W/m<sup>2</sup>K

**INTERNAL PARTITION 2**  
Two layers of 12.5mm WallBoard each side of 70mm Gyplframe 'C' Studs at 600mm centres.  
25mm Isover APR 1200 in the cavity.  
Full height ply to be incorporated into build up behind partitions on which sinks and tiles are to be installed  
4600mm maximum partition height  
30 minute fire resistance  
49RwdB sound resistance  
British Gypsum system ref:A206047

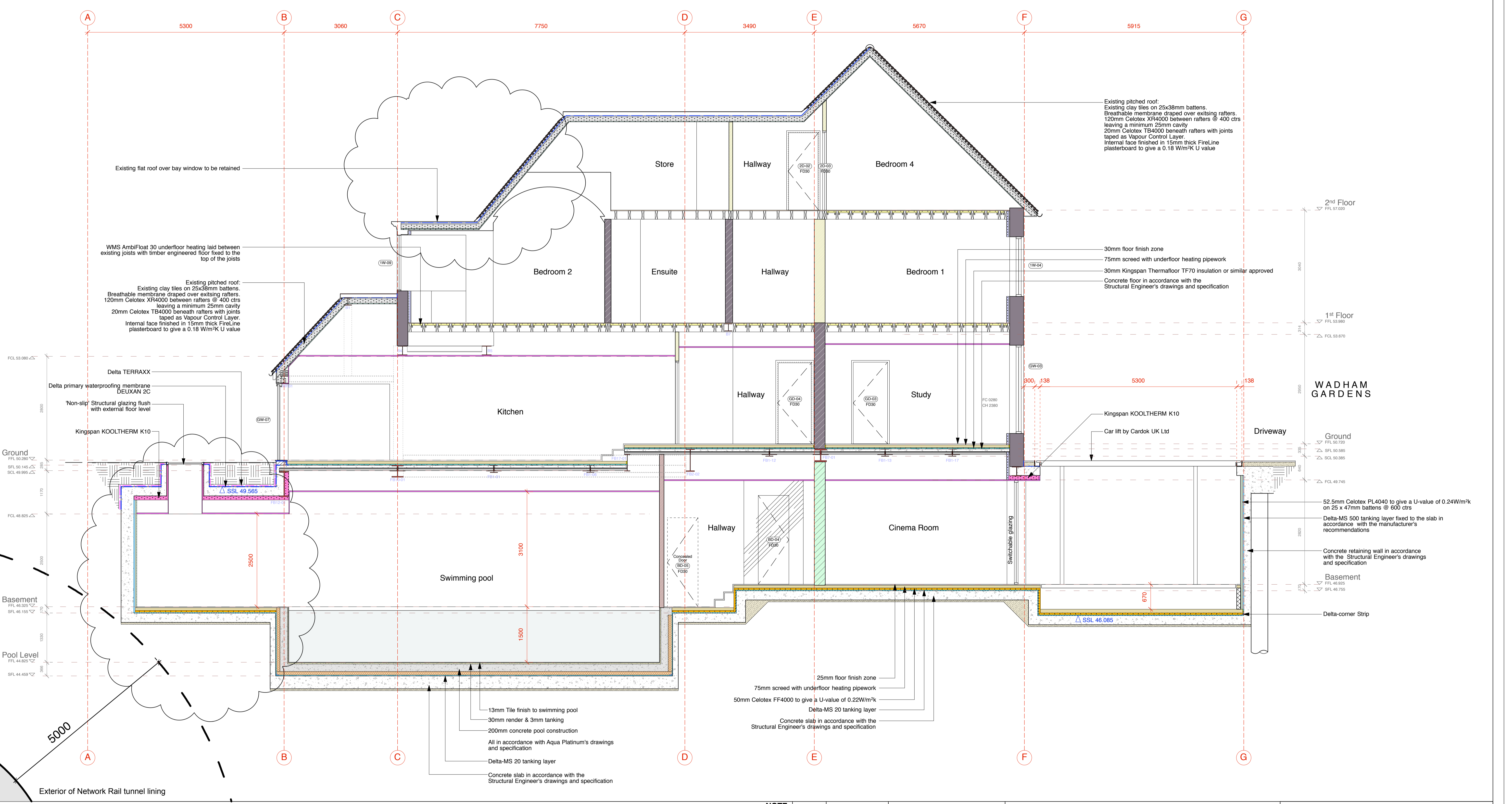
**INTERNAL PARTITION 1**  
One layer of 15mm WallBoard each side of 70mm Gyplframe 'C' Studs at 600mm centres.  
25mm Isover APR 1200 in the cavity.  
Full height ply to be incorporated into build up behind partitions on which sinks and tiles are to be installed  
3800mm maximum partition height  
30 minute fire resistance  
43RwdB sound resistance  
British Gypsum system ref:A206046

**INTERNAL PARTITION 3**  
Two layers of 15mm SoundBloc each side of 70mm Gyplframe 'C' Studs at 600mm centres with Gyplframe RB1 Resilient Bar at 600mm centres to both sides.  
3300mm maximum partition height  
90 minute fire resistance  
65RwdB sound resistance  
British Gypsum system ref:A316013

**INTERNAL PARTITION 4**  
One layer of 15mm Plank + 12.5mm SoundBloc each side of two frames of Gyplframe 92 S 10 'C' Studs at 600mm centres with Gyplframe 99 FC 50 Fixing Channel at 3600mm centres (or Gyplframe G85 Acoustic Braces at 3300mm centres).  
100mm Isover SpaceSaver Ready-Cut in the cavity.  
8000mm maximum partition height  
60 minute fire resistance  
70RwdB sound resistance  
British Gypsum system ref:A326003

**SWIMMING POOL CONSTRUCTION**  
10mm tiled surface & 3mm bed  
20mm render & 3mm tanking  
200mm Reinforced concrete gunite pool structure in accordance with Aqua Platinum's drawings and specification  
100mm Celotex HEXATHERM XPOOL insulation  
To give a U-value of 0.25W/m<sup>2</sup>K

**NEW DORMER SIDES**  
Tiling battens, clay tiles and sarking felt  
50mm ventilated wall cavity with 100mm Celotex FR5000 between rafters as specified by the Structural Engineer  
40mm Celotex FR5000 beneath rafters taped joints as VCL and 12.5mm Knauf wallboard or similar approved to give a U value of 0.18 W/m<sup>2</sup>K



**PROPOSED SECTION AA**

0 1m 2m 3m 4m 5m

**NOTE:**  
Dimensions to be checked by the Contractor against site conditions.  
The Contractor to satisfy himself that the intended work is feasible prior to starting work on site.  
All work to be carried out in accordance with Structural Engineer's design, details and specification.  
Pringuer-James Consulting Engineers  
tel. 0208 940 4159  
This drawing to be read in conjunction with PJCE's drawings.

PROJECT		17 WADHAM GARDENS LONDON NW3 3DN		DRAWING TITLE		PROPOSED SECTION AA	
CLIENT		ADAM ANDREWS		SCALE		1:50 @ A1	
DATE		MAR 2015		DWG BY		J.W.	
REV.		10.06.15		DATE		MAR 2015	
notes		Network Rail tunnel added. Basement layout amended. Rear dormers and roof turret removed.		DWG NO.		462-PA.23	
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